



Compliance Emissions Testing Report of Volatile Organic Material Emission Rate and Removal Efficiency of SVE System Carbon Absorption System

Prepared for:
THE LOCKFORMER COMPANY
Lisle, Illinois

**The Lockformer Company
Soil Vapor Extraction System
711 West Ogden Avenue
Lisle, Illinois 60532**

Clayton Project No. 13-04335.00
June 2, 2004

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1.0 INTRODUCTION

The Lockformer Company retained Clayton Group Services (Clayton) to conduct volatile organic compound (VOM) testing of the Soil Vapor Extraction (SVE) System at the Lockformer facility, located in Lisle, Illinois.

The purpose of the testing was to assess compliance with air emissions limitations contained in State of Illinois Permit to Install No. 02120050. The testing program followed the provisions outlined in Title 40, *Code of Federal Regulations*, Part 60, Appendix A, Methods 1-4, and Toxic Organic Method TO-15.

The testing was performed on April 27, 2004. The following Clayton personnel conducted testing onsite: Mr. Mark Westerberg, Project Manager; and Mr. Thomas Scmelter, Environmental Consultant. Mr. William S. Elwell, P.G., Senior Project Manager with Clayton's Chicago office was onsite to oversee and provide technical assistance with the sampling program. Mr. Arthur V. Bourlard was the Lockformer representative onsite during this testing program. Mr. Kevin J. Mattison, with the Illinois Environmental Protection Agency, witnessed the testing program.

2.0 PROCESS DESCRIPTION

The Lockformer soil remediation system consists of combination of remedial technologies to focus on various subsurface conditions. An electrical resistive heating (ERH) system has been implemented in select low-permeability shallow soils (from surface to approximately 30 feet below ground surface) to promote the volatilization of the contaminants for vapor recovery. The ERH vapor recovery system is driven by a 40 horsepower motor/positive displacement vacuum blower capable of up to approximately 1,100 scfm. A separate soil vapor extraction (SVE) system has been implemented in a higher-permeability soil layer underlying the shallow soils. This SVE system is driven by a 40 horsepower motor/positive displacement vacuum blower capable of up to approximately 1,500 scfm. The discharge air stream from the ERH vapor recovery and SVE systems are combined and directed into the air treatment system, consisting of two USFilter RB10 vapor phase adsorption filters (each containing 10,000 pounds of vapor phase granular activated carbon) connected in series. The SVE and ERH system conditions and emission characteristics are continuously monitored and logged. The system information recorded from April 22, 2004 to April 27, 2004 (the date of the emission test) is provided in the attached tables.

3.0 SAMPLING AND ANALYTICAL PROCEDURES

3.1 EXHAUST GAS COMPOSITION AND FLOWRATE (USEPA METHODS 1-4)

Stack gas velocity traverses were conducted in accordance with the procedures outlined in United States Environmental Protection Agency's (USEPA's) *Standards of Performance for New Stationary Sources* (40 CFR 60,), Method 1, "Sample and Velocity Traverses for Stationary Sources," and Method 2, "Determination of Stack Gas Velocity and Volumetric Flowrate." See Figure 1 for a presentation of inlet and outlet and traverse and sampling point locations. S-type pitot tubes with thermocouple assemblies, calibrated in accordance with USEPA Method 2, Section 4.1.1, were used to measure inlet and exhaust gas velocity pressures and temperatures during testing. The s-type pitot tube dimensions outlined in Sections 2-6 through 2-8 were within specified limits, therefore, a baseline pitot tube coefficient of 0.84 (dimensionless) was assigned for this performance testing.

Molecular weight determinations were evaluated according to USEPA Method 3, "Gas Analysis for the Determination of Dry Molecular Weight." The equipment used for this evaluation consisted of (1) a stainless-steel probe of sufficient length to reach the centroid of the duct, (2) a sampling lung and pump with connecting tubing and (3) a set of Fyrite® combustion gas analyzers. Carbon dioxide and oxygen content were analyzed using the Fyrite® procedure at both sampling locations.

Moisture content was derived from calculations outlined in USEPA Method 4, "Determination of Moisture Content in Stack Gases." See Figure 2 for a schematic of the sampling train. This data was used in conjunction with the velocity and temperature data to determine the exhaust gas flowrate.

Clayton's sampling train consisted of (1) a non-heated probe, (2) a length of tygon line connected to the first impinger, (3) a set of two Greenburg-Smith (GS) modified impingers each containing 100 milliliters (ml) of di-ionized distilled water (DDI H₂O), a third dry modified GS impinger and a fourth modified GS impinger containing a known weight of silica gel desiccant, (4) a length of umbilical sample line, and (5) a Nutech control case equipped with a pump, dry gas meter, and calibrated orifice.

Field and computer-calculated flowrate data sheets can be viewed in Appendix A.

3.2 VOLATILE ORGANIC MATERIAL (TOXIC ORGANIC METHOD TO-15)

Volatile organic materials (VOM) were sampled following Toxic Organic Method TO-15. The sampling train (see Figure 3) consisted of an evacuated stainless steel summa canister with an inline vacuum gauge to monitor the sampling during the test and a critical orifice attached to control the sample rate (i. e. 1-hour sample). The sampling train was attached to

an existing test port tap with a tee and atmospheric dump. The atmospheric dumps were necessary because of the high static pressures at the sampling locations. The inlet duct was greater than ($>$) 55 pounds per square inch (psi) and outlet duct was >2.5 psi. Three 60-minute samples were collected simultaneously at each sampling location. Figure 4 shows a process flow diagram of the SVE system.

TO-15 analysis was performed by Performance Analytical, located in Simi Valley, California.

4.0 RESULTS AND DISCUSSION

The results of the testing of the SVE control system are summarized in the following table:

Toxic Organic Compounds	Test 1	Test 2	Test 3	Average
Sampling Time	14:18-15:18 18:39-19:39	16:17-17:17	18:07-19:07	
Inlet Flowrate (scfm)	2,418	2,433	2,410	2,420
Outlet Flowrate (scfm)	2,449	2,471	2,477	2,465
Total Inlet Emission Rate (lb/hr)	0.441	0.630	0.457	0.509
Total Outlet Emission Rate (lb/hr)	<0.00245	<0.00142	<0.00161	<0.00183
Soil Vapor Extraction Removal Efficiency (%)	99.4	99.8	99.6	99.6

lb/hr: pounds per hour

Testing was performed during normal operation of the SVE system. The average volatile organic material (VOM) results for Runs 1-3 of the testing indicated exhaust emission rates of <0.002 lb/hr. The permitted emission limit for VOM is 8 lb/hr. The VOM control efficiencies for Runs 1-3 averaged 99.6%. The permitted VOM removal efficiency was 85%.

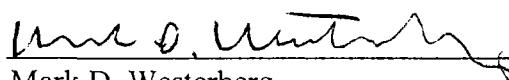
All test-related field and computer-calculated datasheets are available in Appendix A. Equipment calibration data are available in Appendix B. Laboratory analytical data is

available in Appendix C. Historical Process Data is available in appendix D. A complete set of sample calculations is presented in Appendix E.

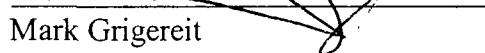
LIMITATIONS

The information and opinions rendered in this report are exclusively for use by The Lockformer Company. Clayton Group Services, Inc. (Clayton), will not distribute or publish this report without Lockformer's consent except as required by law or court order. The information and opinions are given in response to a limited assignment and should be implemented only in light of that assignment. Clayton accepts responsibility for the competent performance of its duties in executing the assignment and preparing reports in accordance with the normal standards of the profession, but disclaims any responsibility for consequential damages.

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June 2, 2004

TABLES

Summary Table
 Toxic Air Contaminant Emission Results
 Soil Vapor Extraction Unit
 Lisle, Illinois
 Clayton Project No. 13-04335.00
 April 27, 2004



Toxic Organic Compounds	Test 1	Test 2	Test 3	Average
Sampling Time	14:18-15:18	16:17-17:17	18:07-19:07 18:39-19:39	
Inlet Flowrate (scfm)	2,418	2,423	2,410	2,417
Outlet Flowrate (scfm)	2,449	2,471	2,477	2,465
cis-1,2-Dichloroethene Inlet Concentration (ppbv) ¹	700	880	780	787
cis-1,2-Dichloroethene Inlet Emission Rate (lb/hr) ²	0.0256	0.0322	0.0284	0.0287
Trichloroethene Inlet Concentration (ppbv)	8400	12000	8700	9700
Trichloroethene Inlet Emission Rate (lb/hr)	0.4156	0.5948	0.4290	0.4798
Total Inlet Emission Rate (lb/hr)	0.441	0.627	0.457	0.509
Dichlorodifluoromethane Outlet Concentration (ppbv) ¹	0.44	0.50	<0.61	<0.52
Dichlorodifluoromethane Outlet Emission Rate (lb/hr) ²	0.0000203	0.0000233	<0.0000284	<0.0000240
Chloromethane Outlet Concentration (ppbv)	3.6	4.2	4.7	4.2
Chloromethane Outlet Emission Rate (lb/hr)	0.0000693	0.0000816	0.0000915	0.0000808
Vinyl Chloride Outlet Concentration (ppbv)	49	51	56	52
Vinyl Chloride Outlet Emission Rate (lb/hr)	0.00117	0.00123	0.00135	0.00125
cis-1,2-Dichloroethene Outlet Concentration (ppbv) ¹	<0.42	0.82	<0.61	<0.62
cis-1,2-Dichloroethene Outlet Emission Rate (lb/hr) ²	<0.0000155	0.00002999	<0.0000228	<0.0000228
Trichloroethene Outlet Concentration (ppbv) ¹	13	<0.37	<0.61	<4.7
Trichloroethene Outlet Emission Rate (lb/hr) ²	0.000651	<0.0000187	<0.0000309	<0.000234
Toluene Outlet Concentration (ppbv) ¹	4.7	<0.37	0.67	<1.9
Toluene Outlet Emission Rate (lb/hr) ²	0.000165	<0.0000131	0.0000238	<0.0000673
Tetrachloroethene Outlet Concentration (ppbv) ¹	5.3	<0.37	<0.61	<2.1
Tetrachloroethene Outlet Emission Rate (lb/hr) ²	0.000335	<0.0000175	<0.0000290	<0.000127
m-Xylene & p-Xylene Outlet Concentration (ppbv) ¹	0.69	<0.37	<0.61	<0.56
m-Xylene & p-Xylene Outlet Emission Rate (lb/hr) ²	0.0000279	<0.0000112	<0.0000293	<0.0000228
Total Outlet Emission Rate (lb/hr)	<0.00245	<0.00142	<0.00161	<0.00183
Soil Vapor Extraction Removal Efficiency (%)	99.4	99.8	99.6	99.6

¹ Bolded concentration results were non-detect. Reported values are the analytical method's limit of detection.

² Reported values are based on the analytical method's limit of detection.

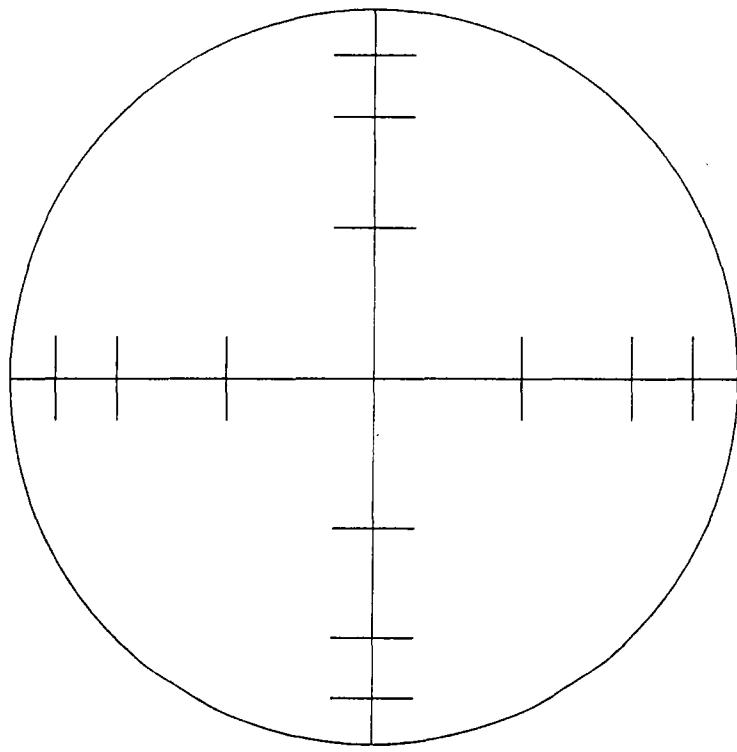
scfm: standard cubic feet per minute

ppbv: parts per billion on a volume-to-volume basis

lb/hr: pounds per hour

Removal Efficiency (%): = (Inlet lb/hr - Outlet lb/hr) / Inlet lb/hr * 100

FIGURES



Sampling Point	Distance from Stack Wall (inches)
6	0.50
5	1.17
4	2.37
3	5.63
2	6.83
1	7.50

Figure 1
SVE Inlet and Outlet Sampling Port and Traverse Point Locations



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The Lockformer Company
Lisle, Illinois

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The Lockformer Company
Soil Vapor Extraction System
711 West Ogden Avenue
Lisle, Illinois

Project No. 13-04335.00

Last Revision
June 2, 2004

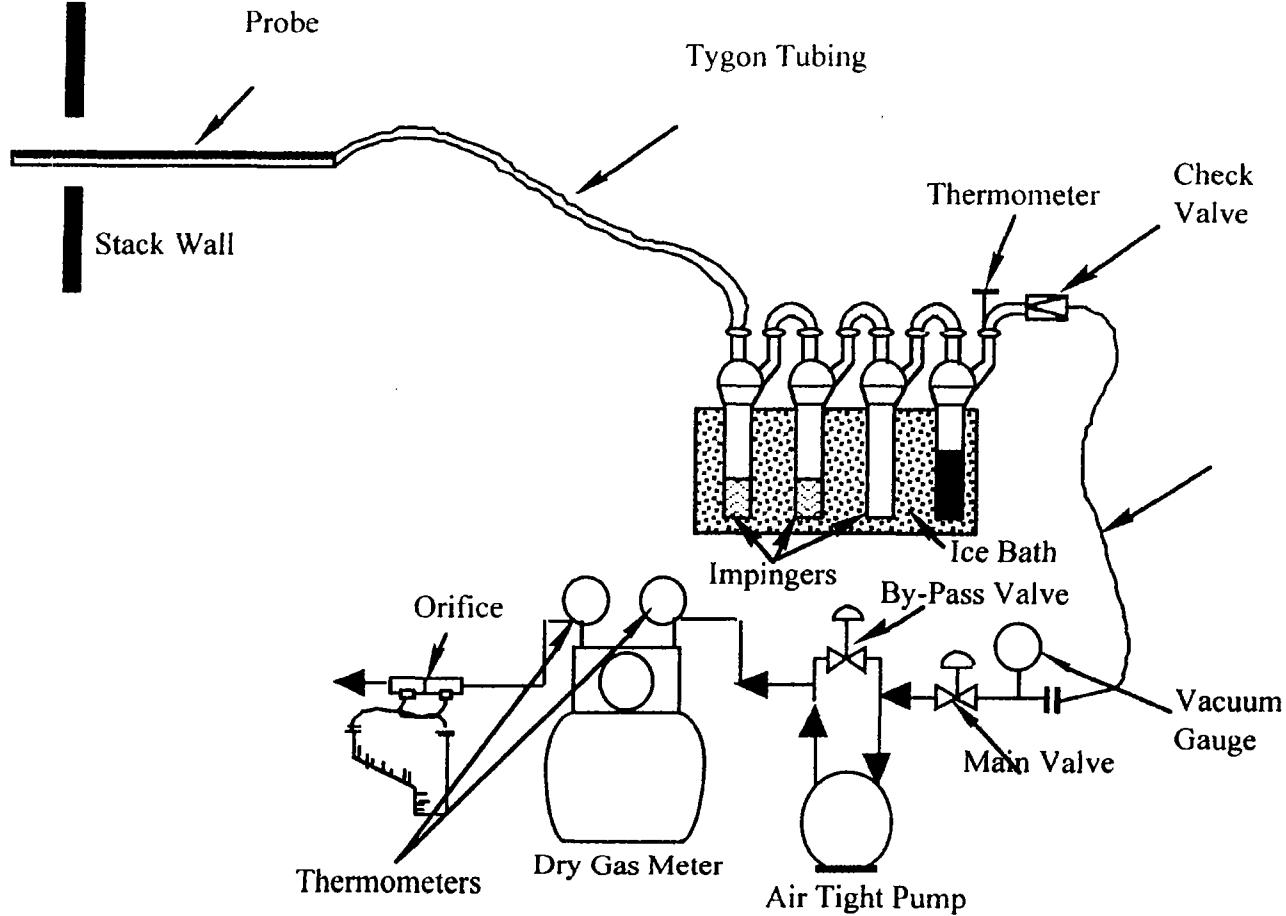


Figure 2
USPEA Method 4 Sampling
Train



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The Lockformer Company
Lisle, Illinois

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The Lockformer Company
Soil Vapor Extraction System
711 West Ogden Avenue
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Project No 13-04335 00

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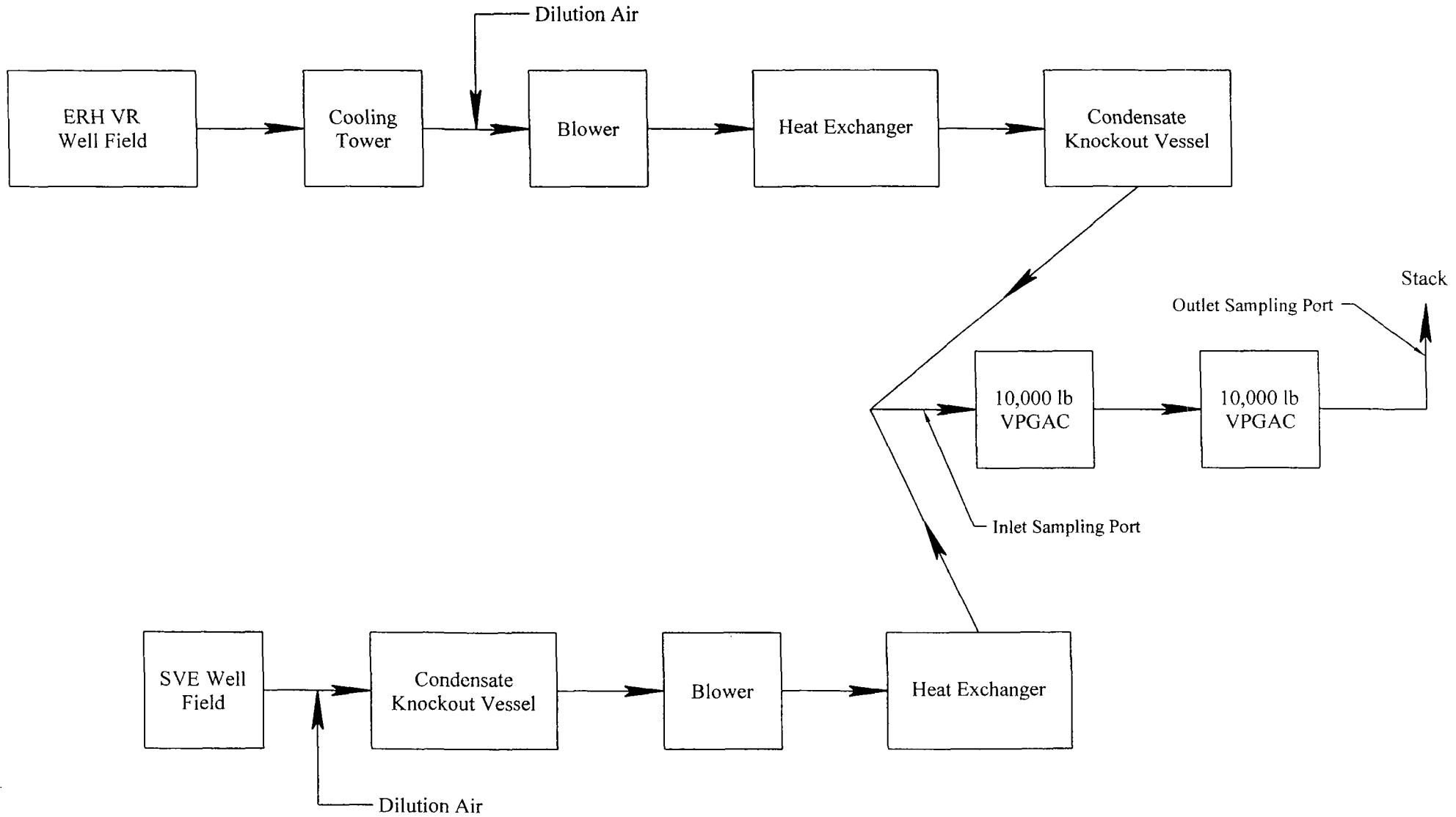


Figure 4
Lockformer Process Flow
Diagram



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The Lockformer Company
Lisle, Illinois

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The Lockformer Company
Soil Vapor Extraction System
711 West Ogden Avenue
Lisle, Illinois

Project No. 13-04335.00

Last Revision
June 2, 2004



APPENDIX A

FIELD AND COMPUTER CALCULATED FLOWRATE DATA SHEETS

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
m18 w/flowmeter data sheet

CLIENT: LOCKFORMER
LOCATION: SVE CHICAGO, IL
SOURCE: SVE INLET

SAMPLING DATE: 4/27/04 BAROMETRIC PRESSURE ("HG): 30.12
OPERATOR: MWITS AMBIENT TEMPERATURE (T_a:°F): 65

Sample No.	Leak check	Start	Data Time	Stop	Sampling Media/No.	Flowmeter		
						No.	Scale Reading	Pressure Dr (inches H ₂ O)
1 1902 SERIAL #		1418	0	1518	SUMMA CANISTER			28
			5					
			10					14
			15					
			20					19
			25					
			30					12
			35					
			40					7.5
			45					
			50					6.5
			55					
			60					4
2 Can # 12158		1618	0	1717	SUMMA CANISTER			28
			5					26
			10					23
			15					20
			20					17
			25					
			30					14
			35					
			40					10.5
			45					
			50					
			55					
			60					
3 can # 2953		1807 1839	0	1939	SUMMA CANISTER			28.5
			5					27
			10					23
			15					20
			20					17.8
			25					
			30					13.5
			35					
			40					
			45					
			50					
			55					
			60					10.5

COMMENTS:

Run #3 inlet flow controller bad - switched out
of another flow controller and rest-timed test @ 1839

CLAYTON ENVIRONMENTAL CONSULTANTS, INC.
m18 w/flowmeter data sheet

30.22

CLIENT: LOCK FORMER
LOCATION: CHICAGO, IL
SOURCE: SVF OUTLET

SAMPLING DATE: 4/27/04
OPERATOR: MWITS

BAROMETRIC PRESSURE ("HG): _____
AMBIENT TEMPERATURE (Ta; °F): 65°

Sample No.	Leak check	Start	Data Time	Stop	Sampling Media/No.	Flowmeter		
						No.	Scale Reading	Pressure Drop (inches H2O)
1 04750 SERIAL #		1418	0 5 10 15 20 25 30 35 40 45 50 55 60		SUMMA CANISTER			28 27 24 20 18 15.5 12.5
2 Cont'd 12522		1617	0 5 10 15 20 25 30 35 40 45 50 55 60	1518	SUMMA CANISTER			29 27 23 20 17 14 10.5
3 Can # 11409		1807	0 5 10 15 20 25 30 35 40 45 50 55 60	1717	SUMMA CANISTER			29 27 24 17 13 10.5
COMMENTS:								

Company	Lockformer			
Source Designation	SVE Inlet			
Test Date	4/27/2004	4/27/2004	4/27/2004	
Meter/Nozzle Information				
	P-1	P-2	P-3	Average
Meter Temperature Tm (F)	73.3	77.3	76.7	75.8
Meter Pressure - Pm (in. Hg)	30.4	30.4	30.4	30.4
Measured Sample Volume (Vm)	44.3	44.7	45.2	44.8
Sample Volume (Vm-Std ft3)	45.2	45.3	45.9	45.5
Sample Volume (Vm-Std m3)	1.28	1.28	1.30	1.29
Condensate Volume (Vw-std)	0.815	0.853	0.801	0.823
Gas Density (Ps(std) lbs/ft3)	0.0744	0.0740	0.0741	0.0741
Total weight of sampled gas (m g lbs)	3.43	3.42	3.46	3.43
Stack Data				
Average Stack Temperature - Ts (F)	80.0	80.0	82.0	80.7
Molecular Weight Stack Gas- dry (Md)	29.0	28.8	28.8	28.9
Molecular Weight Stack Gas-wet (Ms)	28.8	28.6	28.7	28.7
Stack Gas Specific Gravity (Gs)	0.994	0.988	0.989	0.991
Percent Moisture (Bws)	1.8	1.8	1.7	1.8
Water Vapor Volume (fraction)	0.0177	0.0185	0.0171	0.0178
Pressure - Ps ("Hg)	34.4	34.4	34.4	34.4
Area of Stack (ft2)	0.3	0.3	0.3	0.3

Company	Lockformer	
Source Designation	SVE Inlet	
Test Date	4/27/2004	Assumed Moisture (Bws) 2
Test Number	M-1	Condensate Volume (Vlc) 8
Operator	mdw	Silica Gel Weight Gain (Vlc) 9.3
Filter Number	n/a	Nozzle Diameter (in.) n/a
Barometric Pressure (Pb)	30.22	Leak Rate Initial 0.000 @ 15"
Stack Static Pressure (Ps)	57	Leak Rate Final 0.000 @ 6"
Stack Dimensions (in.)	8	Traverse points 1
Pitot Tube Number	3ft	Pitot Corr. Factor (Cp) 0.84
Meter Number	7	Meter Corr. Factor (Y) 1.013
Meter Isokinetic Factor (Kiso)	-	Orsat Results (%)
Delta ΔH@	1.705	CO ₂ 1
		O ₂ 20.5

Traverse Point	Sampling Time (Minutes)	Sampling Clock Time (24 hour)	Stack Train Vac. ("Hg)	Temp (F)	Velocity Pres. ("H2O)	Orifice Differential ("H2O)	Sample Volume (cubic feet)	Dry Gas Meter Inlet (F)	Meter Outlet (F)	Last Impinger Temperature (F)	Filter Box Temperature (F)
Number	ø		Ts	ΔPs	ΔH	Vm	Tm	(F) Tm	(F) Tm	(F)	(F)
0	14:18	0	80	n/a	1.8	929.642	69	69	55	n/a	
5	14:23	0	80		1.8	933.38	70	69	55		
10	14:28	0	80		1.8	936.90	71	68	53		
15	14:33	0	80		1.8	940.88	73	69	53		
20	14:38	0	80		1.8	944.28	75	70	54		
25	14:43	0	80		1.8	948.05	76	70	55		
30	14:48	0	80		1.8	951.69	77	71	56		
35	14:53	0	80		1.8	955.63	78	71	57		
40	14:58	0	80		1.8	959.17	79	72	59		
45	15:03	0	80		1.8	962.81	79	72	59		
50	15:08	0	80		1.8	966.57	80	72	60		
55	15:13	0	80		1.8	970.28	80	73	60		
60	15:18	0	80		1.8	973.956	80	73	61		
Average	60		80		1.8	44.3	76	71	57		

$$\Delta H = Kiso * (Cp)^2 * (1-wv/100)^2 * (MWm/MWs) * (Ps/Pm) * (Tm/Ts) * \Delta Ps * D4$$

Company	Lockformer	
Source Designation	SVE Inlet	
Test Date	4/27/2004	
Test Number	M-2	Assumed Moisture (Bws)
Operator	mdw	2
Filter Number	n/a	Condensate Volume (Vlc)
Barometric Pressure (Pb)	30.22	10
Stack Static Pressure (Ps)	57	Silica Gel Weight Gain (Vlc)
Stack Dimensions (in.)	8	8.1
Pitot Tube Number	3ft	Nozzle Diameter (in.)
Meter Number	7	n/a
Meter Isokinetic Factor (Kiso)	-	Leak Rate Initial
Delta ΔH@	1.705	0.000 @ 15"
		Leak Rate Final
		0.000 @ 7"
		Traverse points
		1
		Pitot Corr. Factor (Cp)
		0.84
		Meter Corr. Factor (Y)
		1.013
		Orsat Results (%)
		CO ₂
		0
		O ₂
		20.5

Traverse Point	Sampling Time (Minutes)	Clock Time (24 hour)	Sampling Train Vac. ("Hg)	Stack Temp. (F)	Velocity Pres. ("H2O) ΔPs	Orifice Differential ("H2O) ΔH	Sample Volume (cubic feet) Vm	Dry Gas Meter Temp. (F) Tm	Last Impinger Temperature (F)	Filter Box Temperature (F)
Number	ø			Ts	ΔPs			Inlet (F) Tm	Outlet (F) Tm	
0	16:17	0	80	n/a	1.8	974.207	74	73	66	n/a
5	16:22	0	80		1.8	978.04	75	74	60	
10	16:27	0	80		1.8	981.75	75	74	55	
15	16:32	0	80		1.8	985.25	78	74	53	
20	16:37	0	80		1.8	989.18	79	74	53	
25	16:42	0	80		1.8	993.05	80	74	53	
30	16:47	0	80		1.8	996.65	81	75	52	
35	16:52	0	80		1.8	1000.25	82	75	52	
40	16:57	0	80		1.8	1004.05	82	75	51	
45	17:02	0	80		1.8	1007.92	83	76	51	
50	17:07	0	80		1.8	1011.52	83	76	49	
55	17:12	0	80		1.8	1015.25	83	76	50	
60	17:17	0	80		1.8	1018.955	83	77	50	
Average	60			80	1.8	44.75	80	75	53	

$$\Delta H = K_{iso} * (C_p)^2 * (1-wv/100)^2 * (MW_m/MW_s) * (P_s/P_m) * (T_m/T_s) * \Delta P_s * D_4$$

Company	Lockformer	
Source Designation	SVE Inlet	
Test Date	4/27/2004	
Test Number	M-3	
Operator	mdw	
Filter Number	n/a	
Barometric Pressure (Pb)	30.22	
Stack Static Pressure (Ps)	57	
Stack Dimensions (in.)	8	
Pitot Tube Number	3ft	
Meter Number	7	
Meter Isokinetic Factor (Kiso)	-	
Delta ΔH@	1.705	
		Assumed Moisture (Bws) 2
		Condensate Volume (Vlc) 10
		Silica Gel Weight Gain (Vlc) 7
		Nozzle Diameter (in.) n/a
		Leak Rate Initial 0.000 @ 15"
		Leak Rate Final 0.000 @ 5"
		Traverse points 1
		Pitot Corr. Factor (Cp) 0.84
		Meter Corr. Factor (Y) 1.013
		Orsat Results (%)
		CO2 0
		O2 20.9

Traverse Point	Sampling Time (Minutes)	Clock Time (24 hour)	Sampling Train Vac. ("Hg)	Stack Temp. (F)	Velocity Pres. ("H2O) ΔPs	Orifice Differential ("H2O) ΔH	Sample Volume (cubic feet) Vm	Dry Gas Meter Temp. (F) Tm	Last Impinger Temperature (F)	Filter Box Temperature (F)
Number	ø			Ts	ΔPs	Vm	Inlet (F) Tm	Outlet (F) Tm	(F)	(F)
0	18:07		1	82	n/a	1.8	19.280	75	75	63
5	18:12		1	82		1.8	23.05	75	75	55
10	18:17		1	82		1.8	26.89	76	74	49
15	18:22		1	82		1.8	30.65	77	74	46
20	18:27		1	82		1.8	34.38	78	74	45
25	18:32		1	82		1.8	38.14	79	74	45
30	18:37		1	82		1.8	41.90	80	74	45
35	18:42		1	82		1.8	45.20	80	74	45
40	18:47		1	82		1.8	49.38	80	74	44
45	18:52		1	82		1.8	53.13	81	75	45
50	18:57		1	82		1.8	56.93	81	79	44
55	19:02		1	82		1.8	60.98	81	75	44
60	19:07		1	82		1.8	64.514	81	75	44
Average	0			82		1.8	45.23	79	75	

$$\Delta H = Kiso * (Cp)^2 * (1-wv/100)^2 * (MWm/MWs) * (Ps/Pm) * (Tm/Ts) * \Delta Ps * D4$$

Company	Lockformer			
Source Designation	SVE Outlet			
Test Date	4/27/2004	4/27/2004	4/27/2004	
Meter/Nozzle Information				
Meter Temperature Tm (F)	56.8	58.2	53.5	56.2
Meter Pressure - Pm (in. Hg)	30.4	30.4	30.4	30.4
Measured Sample Volume (Vm)	42.1	42.6	42.9	42.5
Sample Volume (Vm-Std ft ³)	43.5	43.9	44.6	44.0
Sample Volume (Vm-Std m ³)	1.23	1.24	1.26	1.25
Condensate Volume (Vw-std)	1.122	0.914	0.900	0.978
Gas Density (Ps(std) lbs/ft ³)	0.0738	0.0739	0.0740	0.0739
Total weight of sampled gas (m g lbs)	3.29	3.31	3.37	3.32
Stack Data				
Average Stack Temperature - Ts (F)	70.0	71.0	71.0	70.7
Molecular Weight Stack Gas- dry (Md)	28.8	28.8	28.8	28.8
Molecular Weight Stack Gas-wet (Ms)	28.6	28.6	28.6	28.6
Stack Gas Specific Gravity (Gs)	0.986	0.988	0.988	0.987
Percent Moisture (Bws)	2.5	2.0	2.0	2.2
Water Vapor Volume (fraction)	0.0251	0.0204	0.0198	0.0218
Pressure - Ps ("Hg)	30.4	30.4	30.4	30.4
Area of Stack (ft ²)	0.3	0.3	0.3	0.3

Company	Lockformer	
Source Designation	SVE Outlet	
Test Date	4/27/2004	Assumed Moisture (Bws) 2
Test Number	M-1	Condensate Volume (Vlc) 8
Operator	mdw	Silica Gel Weight Gain (Vlc) 15.8
Filter Number	n/a	Nozzle Diameter (in.) n/a
Barometric Pressure (Pb)	30.22	Leak Rate Initial 0.000 @ 15"
Stack Static Pressure (Ps)	2.8	Leak Rate Final 0.000 @ 8"
Stack Dimensions (in.)	7.5	Traverse points 1
Pitot Tube Number	3ft	Pitot Corr. Factor (Cp) 0.84
Meter Number	1	Meter Corr. Factor (Y) 0.994
Meter Isokinetic Factor (Kiso)	-	Orsat Results (%)
Delta ΔH@	1.854	CO ₂ 0
		O ₂ 20.9

Traverse Point Number	Sampling Time (Minutes)	Sampling Clock Time (24 hour) ø	Stack Temp. Train Vac. ("Hg)	Velocity Pres. (F) Ts	Orifice Differential ("H2O) ΔPs	Sample Volume (cubic feet) Vm	Dry Gas Meter Temp. Inlet (F) Tm	Last Impinger Temperature (F)	Filter Box Temperature (F)
0	14:18	1	70	n/a	1.8	939.870	54	54	46
5	14:23	1	70		1.8	943.36	56	54	44
10	14:28	1	70		1.8	946.87	57	54	42
15	14:33	1	70		1.8	950.35	58	55	43
20	14:38	1	70		1.8	953.87	58	54	44
25	14:43	1	70		1.8	957.40	58	55	47
30	14:48	1	70		1.8	960.94	59	55	49
35	14:53	1	70		1.8	964.43	59	56	50
40	14:58	1	70		1.8	967.95	59	55	51
45	15:03	1	70		1.8	971.43	60	56	52
50	15:08	1	70		1.8	974.95	62	57	54
55	15:13	1	70		1.8	978.44	61	57	54
60	15:18	1	-	-	1.8	981.932	-	-	-
Average	60		70		1.8	42.1	58	55	48

$$\Delta H = Kiso * (Cp)^2 * (1-wv/100)^2 * (MWm/MWs) * (Ps/Pm) * (Tm/Ts) * \Delta Ps * D4$$

Company	Lockformer	
Source Designation	SVE Outlet	
Test Date	4/27/2004	
Test Number	M-2	
Operator	mdw	
Filter Number	n/a	
Barometric Pressure (Pb)	30.22	
Stack Static Pressure (Ps)	2.8	
Stack Dimensions (in.)	7.5	
Pitot Tube Number	3ft	
Meter Number	1	
Meter Isokinetic Factor (Kiso)	-	
Delta ΔH@	1.854	
		Assumed Moisture (Bws) 2
		Condensate Volume (Vlc) 12
		Silica Gel Weight Gain (Vlc) 7.4
		Nozzle Diameter (in.) n/a
		Leak Rate Initial 0.000 @ 15"
		Leak Rate Final 0.000 @ 8"
		Traverse points 1
		Pitot Corr. Factor (Cp) 0.84
		Meter Corr. Factor (Y) 0.994
		Orsat Results (%)
		CO2 0
		O2 20.5

Traverse Point	Sampling Time (Minutes)	Sampling Clock Time (24 hour)	Sampling Train Vac. ("Hg)	Stack Temp. (F)	Velocity Pres. ("H2O)	Orifice Differential ("H2O)	Sample Volume (cubic feet)	Dry Gas Meter Inlet (F)	Meter Outlet (F)	Last Impinger Temperature (F)	Filter Box Temperature (F)
Number	s		Ts	ΔPs	ΔH	Vm	Tm	(F) Tm	(F) Tm	(F)	(F)
0	16:16		1	71	n/a	1.8	982.372	56	55	50	n/a
5	16:21		1	71		1.8	985.93	56	56	48	
10	16:26		1	71		1.8	989.47	58	56	47	
15	16:31		1	71		1.8	993.00	61	58	45	
20	16:36		1	71		1.8	996.58	58	56	46	
25	16:41		1	71		1.8	1000.12	59	57	46	
30	16:46		1	71		1.8	1003.66	59	57	47	
35	16:51		1	71		1.8	1007.24	60	57	47	
40	16:56		1	71		1.8	1010.78	61	58	46	
45	17:01		1	71		1.8	1014.34	61	58	45	
50	17:06		1	71		1.8	1017.87	62	58	44	
55	17:11		1	71		1.8	1021.42	62	57	44	
60	17:16	-	-		-		1024.965	-	-	-	
Average	60			71		1.8	42.59	59	57	46	

$$\Delta H = K_{iso} * (C_p)^2 * (1-wv/100)^2 * (M_w/M_w) * (P_s/P_m) * (T_m/T_s) * \Delta P_s * D_4$$

Company	Lockformer							
Source Designation	SVE Outlet							
Test Date	4/27/2004							
Test Number	M-3							
Operator	mdw							
Filter Number	n/a							
Barometric Pressure (Pb)	30.22							
Stack Static Pressure (Ps)	3							
Stack Dimensions (in.)	7.5							
Pitot Tube Number	3ft							
Meter Number	1							
Meter Isokinetic Factor (Kiso)	-							
Delta ΔH@	1.854							
						CO2	0	
						O2	20.9	

Traverse Point Number	Sampling Time (Minutes)	Sampling Clock Time (24 hour)	Sampling Train Vac. ("Hg)	Stack Temp. (F)	Velocity Pres. ("H2O)	Orifice Differential ("H2O)	Sample Volume (cubic feet)	Dry Gas Inlet (F) Tm	Meter Outlet (F) Tm	Last Impinger Temperature (F)	Filter Box Temperature (F)
0	18:06	1	71	n/a	1.8	25.337	53	52	49	n/a	
5	18:11	1	71		1.8	29.00	52	51	40		
10	18:16	1	71		1.8	32.61	55	54	40		
15	18:21	1	71		1.8	36.11	54	53	41		
20	18:26	1	71		1.8	39.69	56	53	40		
25	18:31	1	71		1.8	43.28	56	53	42		
30	18:36	1	71		1.8	46.86	55	52	40		
35	18:41	1	71		1.8	50.42	54	51	41		
40	18:46	1	71		1.8	53.96	55	52	41		
45	18:51	1	71		1.8	57.51	56	52	42		
50	18:56	1	71		1.8	61.09	56	52	41		
55	19:01	1	71		1.8	64.63	56	52	42		
60	19:06	-	-		-	68.220	-	-	-		
Average	0			71	1.8	42.88	55	52			

$$\Delta H = Kiso * (Cp)^2 * (1-wv/100)^2 * (MWm/MWs) * (Ps/Pm) * (Tm/Ts) * \Delta Ps * D4$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>Lockformer</u>	Run No.	<u>1</u>	Operators	<u>TS/MW</u>
Date	<u>4/27/2004</u>	Time	<u>13:17</u>	Pitot tube number	<u>3ft</u>
Sampling Location		Soil Vapor Extraction Inlet		Pitot tube factor, Cp	<u>0.84</u>
Stack Dimen-inches-dia.	<u>8</u>	Area, Sq F	<u>0.35</u>	Cyclonic Flow Check	<u>Yes <5°</u>
Stack Dimen-inches		Port Length		Bar. Press. in. Hg.	<u>30.22</u>
Gas Temp., °F WB	<u>NA</u>			Static Press. in. H2O	<u>57</u>
Gas Temp., °F DB	<u>NA</u>			% Moisture, v/v	<u>1.8</u>
% CO2	<u>1</u>	% CO		Mol Wt:Md	<u>28.98</u>
% O2	<u>20.5</u>	% N2	<u>78.5</u>	Mol Wt:Ms	<u>28.78</u>

$$Ps = Pbar + (Pstat/13.6) = \underline{34.41} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.98$$

$$Ms = (Md)((1-(Bw/100)) + 18(Bw/100)) \quad 28.78$$

$$V_s = 85.49(60)(C_p) \sqrt{\Delta p} \text{ avg} (\sqrt{T_s} \text{ avg}/P_s M_s) = \frac{6126.6}{fpm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	Lockformer	Run No.	2	Operators	TS/MW
Date	4/27/2004	Time	15:36	Pitot tube number	3ft
Sampling Location	Soil Vapor Extraction Inlet			Pitot tube factor, Cp	0.84
Stack Dimen-inches-dia.	8	Area, Sq F	0.35	Cyclonic Flow Check	Yes <5°
Stack Dimen-inches	Port Length			Bar. Press. in. Hg.	30.22
Gas Temp., °F WB	NA	Static Press. in. H2O			57
Gas Temp., °F DB	NA	% Moisture, v/v			1.9
% CO2	1	% CO	Mol Wt:Md	28.98	
% O2	20.5	% N2	Mol Wt:Ms	28.77	

$$Ps = P_{bar} + (P_{stat}/13.6) = \quad 34.41 \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.98$$

$$Ms = (Md)((1-(Bw/100)) + 18(Bw/100)) \quad 28.77$$

$$V_s = 85.49(60) (C_p) \sqrt{\Delta p} \text{ avg} (\sqrt{T_s} \text{ avg}/P_s M_s) = 6214.6 \text{ fpm}$$

$$Q_s = V_s A_s \quad 2168 \quad \text{cfm} \quad Q_{std} = Q_s (528/T_s) (P_s/29.92) = \quad 2433 \quad \text{scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>Lockformer</u>	Run No.	<u>3</u>	Operators	<u>TS/MW</u>
Date	<u>4/27/2004</u>	Time	<u>17:35</u>	Pitot tube number	<u>3ft</u>
Sampling Location	<u>Soil Vapor Extraction Inlet</u>			Pitot tube factor, Cp	<u>0.84</u>
Stack Dimen-inches-dia.	<u>8</u>	Area, Sq F	<u>0.35</u>	Cyclonic Flow Check	<u>Yes <5°</u>
Stack Dimen-inches		<u>Port Length</u>		Bar. Press. in. Hg.	<u>30.22</u>
Gas Temp., °F WB	<u>NA</u>			Static Press. in. H2O	<u>57</u>
Gas Temp., °F DB	<u>NA</u>			% Moisture, v/v	<u>1.7</u>
% CO2	<u>0</u>	% CO		Mol Wt:Md	<u>28.82</u>
% O2	<u>20.5</u>	% N2	<u>79.5</u>	Mol Wt:Ms	<u>28.64</u>

Average 3.78 82 1.9308

$$Ps = P_{bar} + (P_{stat}/13.6) = \frac{34.41}{Ms = (Md)((1-(Bw/100)) + 18(Bw/100)} \quad 28.64$$

$$Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.82$$

$$V_s = 85.49(60)(C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_{s avg}} / P_{sMs}) = 6168.4 \text{ fpm}$$

$$Q_s = V_s A_s \frac{2152}{29.92} \text{ cfm} \quad Q_{std} = \frac{Q_s (528/T_s) (P_s/29.92)}{2412} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>Lockformer</u>	Run No.	<u>4</u>	Operators	<u>TS/MW</u>
Date	<u>4/27/2004</u>	Time	<u>19:20</u>	Pitot tube number	<u>3ft</u>
Sampling Location		Soil Vapor Extraction Inlet		Pitot tube factor, Cp	<u>0.84</u>
Stack Dimen-inches-dia.	<u>8</u>	Area, Sq F	<u>0.35</u>	Cyclonic Flow Check	<u>Yes <5°</u>
Stack Dimen-inches		Port Length		Bar. Press. in. Hg.	<u>30.22</u>
Gas Temp., °F WB	<u>NA</u>			Static Press. in. H2O	<u>57</u>
Gas Temp., °F DB	<u>NA</u>			% Moisture, v/v	<u>1.7</u>
% CO2	<u>0.5</u>	% CO		Mol Wt:Md	<u>28.90</u>
% O2	<u>20.5</u>	% N2	<u>79</u>	Mol Wt:Ms	<u>28.71</u>

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{34.41} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.90$$

$$Ms = (Md)((1 - (Bw/100)) + 18(Bw/100) \quad 28.71$$

$$V_s = 85.49 (60) (C_p) \sqrt{\Delta p} \text{ avg} (\sqrt{T_s} \text{ avg} / P_s M_s) = \frac{6136.1}{fpm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	Lockformer	Run No.	1	Operators	TS/MW
Date	4/27/2004	Time	14:00	Pitot tube number	3ft
Sampling Location		Soil Vapor Extraction Outlet		Pitot tube factor, Cp	0.84
Stack Dimen-inches-dia.	8	Area, Sq F	0.35	Cyclonic Flow Check	Yes <5°
Stack Dimen-inches		Port Length		Bar. Press. in. Hg.	30.22
Gas Temp., °F WB	NA			Static Press. in. H2O	2.8
Gas Temp., °F DB	NA			% Moisture, v/v	2.5
% CO2	0	% CO		Mol Wt:Md	28.84
% O2	20.9	% N2	79.1	Mol Wt:Ms	28.57

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{30.43} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.84$$

$$Ms = (Md)(1 - (Bw/100)) + 18(Bw/100) \quad \underline{28.57}$$

$$V_s = 85.49(60)(C_p) \sqrt{\Delta p} \text{ avg} (\sqrt{T_s} \text{ avg}) / P_s M_s = \frac{6922.7}{fpm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	Lockformer	Run No.	2	Operators	TS/MW
Date	4/27/2004	Time	16:00	Pitot tube number	3ft
Sampling Location	Soil Vapor Extraction Outlet			Pitot tube factor, Cp	0.84
Stack Dimen-inches-dia.	8	Area, Sq F	0.35	Cyclonic Flow Check	Yes <5°
Stack Dimen-inches		Port Length		Bar. Press. in. Hg.	30.22
Gas Temp., °F WB	NA			Static Press. in. H2O	2.8
Gas Temp., °F DB	NA			% Moisture, v/v	2
% CO2	0	% CO	Mol Wt:Md	28.84	
% O2	20.9	% N2	79.1	Mol Wt:Ms	28.62

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{30.43} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.84$$

$$Ms = (Md)(\underline{(1 - (Rw/100))} + 18(Rw/100)) \quad 28.62$$

$$Ms = (Md)((1 - (Bw/100)) + 18(Bw/100)) \quad 28.62$$

$$V_s = 85.49(60)(C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s} \frac{avg}{P_s M_s}) = 6946.6 \text{ fpm}$$

$$Q_s = V_s A_s \frac{2424}{cfm} \quad Q_{std} = Q_s \left(\frac{528/T_s}{(Ps/29.92)} \right) = \frac{2449}{\text{ft}^3/\text{min}}$$

$$Q_S = V_S A_S = 2424 \text{ cm}^3$$

**USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET**

Plant	Lockformer	Run No.	3	Operators	TS/MW
Date	4/27/2004	Time	18:02	Pitot tube number	3ft
Sampling Location	Soil Vapor Extraction Outlet			Pitot tube factor, Cp	0.84
Stack Dimen-inches-dia.	8	Area, Sq F	0.35	Cyclonic Flow Check	Yes <5°
Stack Dimen-inches		Port Length		Bar. Press. in. Hg.	30.22
Gas Temp., °F WB	NA			Static Press. in. H2O	3
Gas Temp., °F DB	NA			% Moisture, v/v	2
% CO2	0	% CO	Mol Wt:Md	28.84	
% O2	20.9	% N2	79.1	Mol Wt:Ms	28.62

	TRAVERSE POINT NUMBER	VELOCITY HEAD (ΔP) in.H2O	STACK TEMP. °F	√VEL. HEAD (ΔP) in.H2O		Null Angle (zero ΔP angle)	Flow Angle ø (90° from null Angle)
	6	4.80	64	2.1909			
	5	5.00	65	2.2361			
	4	5.00	69	2.2361			
	3	4.50	69	2.1213			
	2	3.90	70	1.9748			
	1	3.70	70	1.9235			
	6	4.60	69	2.1448		Exhaust Gas Flowrate Ps= 30.44 Vs= 7034.0 Qs= 2454 Q scfm = 2492 Q dscfm = 2442	
	5	4.80	70	2.1909			
	4	4.75	71	2.1794			
	3	4.50	71	2.1213			
	2	3.90	71	1.9748			
	1	3.40	70	1.8439			

Average 4.40 69 2.0948

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{30.44} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.84$$

$$Ms = (Md)((1-(Bw/100)) + 18(Bw/100)) \quad \underline{28.62}$$

$$Vs = 85.49(60)(Cp)\sqrt{\Delta p} \text{ avg } (\sqrt{T_s} \text{ avg}/PsMs) = \underline{7034.0} \text{ fpm}$$

$$Q_s = Vs A_s \quad \underline{2454} \text{ cfm} \quad Q_{std} = Q_s (528/T_s) (Ps/29.92) = \underline{2492} \text{ scfm}$$

**USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET**

Plant	Lockformer	Run No.	4	Operators	TS/MW
Date	4/27/2004	Time	19:50	Pitot tube number	3ft
Sampling Location	Soil Vapor Extraction Outlet			Pitot tube factor, Cp	0.84
Stack Dimen-inches-dia.	8	Area, Sq F	0.35	Cyclonic Flow Check	Yes <5°
Stack Dimen-inches		Port Length		Bar. Press. in. Hg.	30.22
Gas Temp., °F WB	NA			Static Press. in. H2O	3
Gas Temp., °F DB	NA			% Moisture, v/v	2
% CO2	0	% CO	Mol Wt:Md	28.84	
% O2	20.9	% N2	Mol Wt:Ms	28.62	

	TRAVERSE POINT NUMBER	VELOCITY HEAD (ΔP) in.H2O	STACK TEMP. °F	$\sqrt{VEL. HEAD (\Delta P)}$ in.H2O		Null Angle (zero ΔP angle)	Flow Angle ϕ (90° from null Angle)
	6	4.50	75	2.1213			
	5	5.00	73	2.2361			
	4	5.00	72	2.2361			
	3	4.50	71	2.1213			
	2	3.70	71	1.9235			
	1	3.20	71	1.7889			
	6	4.50	70	2.1213		Exhaust Gas Flowrate	
	5	4.90	68	2.2136		Ps= 30.44 Vs= 6968.0 Qs= 2431 Q scfm = 2462 Q dscfm = 2412	
	4	5.10	68	2.2583			
	3	4.30	69	2.0736			
	2	4.00	69	2.0000			
	1	3.15	69	1.7748			

Average 4.32 71 2.0724

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{30.44} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) \quad 28.84$$

$$Ms = (Md)((1-(Bw/100)) + 18(Bw/100)) \quad \underline{28.62}$$

$$Vs = 85.49(60)(Cp)\sqrt{\Delta p} \text{ avg } (\sqrt{T_s} \text{ avg})/PsMs = \underline{6968.0} \text{ fpm}$$

$$Qs = Vs As \quad \underline{2431} \text{ cfm} \quad Q_{std} = Qs(528/T_s)(Ps/29.92) = \underline{2462} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>LOCKFORMER</u>	Run No.	<u>1</u>	Operators	<u>TS / MW</u>
Date	<u>4/27/04</u>	Time	<u>13:17</u>	Pitot tube number	<u>3FT</u>
Sampling Location	<u>SVE INLET</u>			Pitot tube factor, Cp	<u>0.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>/</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>8"</u>	Area, Sq Ft		Static Press. in. H2O	<u>+57"</u>
Stack Dimensions				% Moisture, v/v	<u>/</u>
Gas Temp., °F WB			<u>% CO2</u>	<u>1%</u>	% CO
Gas Temp., °F DB			<u>% O2</u>	<u>20.5%</u>	% N2

Average

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{\hspace{2cm}} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) = \underline{\hspace{2cm}}$$

$$Ms = (Md)((1 - (Bw/100)) + 18(Bw/100)) = \underline{\hspace{2cm}}$$

$$V_s = 85.49 (60) (C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s}_{avg}/P_s M_s) = fpm$$

$$V_S = V_{S0} A_S = \frac{cfm}{Qstd} = \frac{Qstd}{Q_S (528/T_S) (P_S/29.92)} =$$

$$Q_s = V_s A_s = \underline{\hspace{2cm}} \text{ cfm} \quad Q_{std} = Q_s (528/T_s) (P_s/29.92) = \underline{\hspace{2cm}} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>Clock former</u>	Run No.	<u>2</u>	Operators	<u>W.W/T/S</u>
Date	<u>4-27-04</u>	Time	<u>15:36</u>	Pitot tube number	<u>34</u>
Sampling Location	<u>SVE</u>	<u>Inlet</u>		Pitot tube factor, Cp	<u>.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>✓</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>8"</u>	Area, Sq Ft		Static Press. in. H2O	<u>+57"</u>
Stack Dimensions				% Moisture, v/v	
Gas Temp., °F WB			<u>% CO2</u>	<u>1</u>	% CO
Gas Temp., °F DB			<u>% O2</u>	<u>20.5</u>	% N2

Аннотации

$$P_{\text{S}} = P_{\text{bar}} + (P_{\text{stat}}/13.6) = \text{Md} = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) =$$

$$Ms \equiv (Md)(1 - (Bw/100)) + 18(Bw/100) =$$

$$V_{S\parallel} = 85.49(60) (C_D) \sqrt{\Delta p_{avg}} (\sqrt{T_S} avg (PsMs)) = \frac{fpm}{nm}$$

$$vs = -85.49(60) \text{ (Cp)} \Delta p_{avg} (vs avg/psms) = \frac{\text{ipm}}{Oci} = \frac{Oci}{(538/T_p)(R/(29.82))}$$

$$Q_s = v_s A_s = \underline{\hspace{2cm}} \text{ cm}^3/\text{s} \quad Q_{std} = Q_s (5281 \text{ s}) (Ps/29.92) = \underline{\hspace{2cm}} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>Lockformer</u>	Run No.	<u>3</u>	Operators	<u>msm/TS</u>
Date	<u>4/27/04</u>	Time	<u>1735</u>	Pitot tube number	<u>347</u>
Sampling Location	<u>SVE Inlet</u>			Pitot tube factor, Cp	<u>.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>-</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>8"</u>	Area, Sq Ft		Static Press. in. H2O	
Stack Dimensions				% Moisture, v/v	
Gas Temp., °F WB			<u>% CO2</u>	<u>0</u>	% CO
Gas Temp., °F DB			<u>% O2</u>	<u>20.5</u>	% N2

Average

$$Ps = P_{\text{bar}} + (P_{\text{stat}}/13.6) = \underline{\hspace{10cm}} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) = \underline{\hspace{10cm}}$$

$$Ms = (Md)((1-(B_w/100)) + 18(B_w/100)) = \underline{\hspace{10cm}}$$

$$V_{S_1} = 85.49(60) (C_0) \sqrt{\Delta p_{ave}} (\sqrt{t_{S_1} ave}/PsMs) = \frac{fpm}{}$$

$$V_{S\bar{S}} = \frac{V_S V_{S\bar{S}} A_S}{\text{cfm}} \quad \text{Octd} = \frac{Q_{S\bar{S}} (528 \text{ ITs})}{(P_S/20.82)}$$

$$Q_s = V_s A_s = \text{_____} \text{ cfm} \quad Q_{std} = Q_s (528/T_s) (P_s/29.92) = \text{_____} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>Lockformer</u>	Run No.	<u>4</u>	Operators	<u>mnw / TS</u>
Date	<u>4/27/04</u>	Time	<u>19:20</u>	Pitot tube number	<u>3 ft</u>
Sampling Location	<u>SVC Inlet</u>			Pitot tube factor, Cp	<u>.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>✓</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>8"</u>	Area, Sq Ft		Static Press. in. H2O	<u>57"</u>
Stack Dimensions				% Moisture, v/v	
Gas Temp., °F WB			<u>% CO2</u>	<u>0.5</u>	% CO
Gas Temp., °F DB			<u>% O2</u>	<u>20.5</u>	% N2

Average

$$Ps = P_{\text{bar}} + (P_{\text{stat}}/13.6) = \quad \text{Md} = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) =$$

$$Ms = (Md)((1 - (Bw/100)) + 18(Bw/100)) =$$

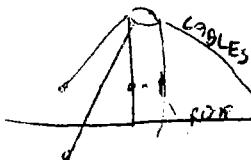
$$V_s = 85.49(60) (C_p) \sqrt{\Delta p} \text{ avg} (\sqrt{T_s} \text{ avg} / P_s M_s) = \text{_____ fpm}$$

$$V_s = 85.49(60) (C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s} \sqrt{P_s M_s}) = \underline{\hspace{1cm}} \text{fpm}$$

$$Q_s = V_s A_s = \underline{\hspace{2cm}} \text{cfm} \quad Q_{std} = Q_s (528/T_s) (P_s/29.92) = \underline{\hspace{2cm}} \text{scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>LOCKFORMER</u>	Run No.	<u>1</u>	Operators	<u>T S / MW</u>
Date	<u>4/27/04</u>	Time	<u>15:00</u>	Pitot tube number	<u>3 FT</u>
Sampling Location	<u>SVE</u>	OUTLET		Pitot tube factor, Cp	<u>0.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>✓</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.0</u> 30.0 22
Stack Dimensions- inches	<u>7 1/2 "</u>	Area, Sq Ft		Static Press. in. H2O	<u>+2.8</u>
Stack Dimensions	<u>1/2 " PORT</u>			% Moisture, v/v	
Gas Temp., °F WB		% CO2	<u>0</u>	% CO	
Gas Temp., °F DB		% O2	<u>26.9</u>	% N2	



Average

$$Ps = P_{bar} + (P_{stat}/13.6) = \quad \quad \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) =$$

$$Ms = (Md)((1-(Bw/100)) + 18(Bw/100)) =$$

$$Vs = 85.49(60)(C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_{s avg}} / P_{sMs}) = \underline{\hspace{100pt}} \text{ fpm}$$

$$Q_s = V_s A_s = \text{cfm} \quad Q_{std} = \frac{Q_s (528/T_s)}{(P_s/29.92)}$$

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USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>LOCUFORMER</u>	Run No.	<u>2</u>	Operators	<u>B/mw</u>
Date	<u>4/27/04</u>	Time	<u>16:10</u>	Pitot tube number	<u>3FT</u>
Sampling Location	<u>SVE OUTLET</u>			Pitot tube factor, Cp	<u>0.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>✓</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>7 1/2"</u>	Area, Sq Ft		Static Press. in. H2O	<u>+2.8 +3.2</u>
Stack Dimensions				% Moisture, v/v	
Gas Temp., °F WB			<u>0</u>	% CO	
Gas Temp., °F DB			<u>20.9</u>	% N2	

Average

$$Ps = P_{\text{bar}} + (P_{\text{stat}}/13.6) = \quad \text{Md} = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) = \quad$$

$$Ms = (Md)((1 - (Bw/100)) + 18(Bw/100) =$$

$$V_s = 85.49 (60) (C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s} \text{ avg} / P_{sMs}) = \text{fpm}$$

$$Q_{\text{sid}} = Q_s (528/T_s) (P_s/29.92)$$

$$Q_s = V_s A_s = \underline{\hspace{2cm}} \text{ cm}^2$$

$$Q_{std} = Q_s (328/T_s) (P_s/29.92) = \underline{\hspace{2cm}} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>LOCKFORMER</u>	Run No.	<u>3</u>	Operators	<u>BS / MW</u>
Date	<u>4/27/04</u>	Time	<u>18:02</u>	Pitot tube number	<u>3 ft</u>
Sampling Location	<u>SUE OUTLET</u>			Pitot tube factor, Cp	<u>0.54</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>7 1/2"</u>	Area, Sq Ft		Static Press. in. H2O	<u>+3.0</u>
Stack Dimensions				% Moisture, v/v	
Gas Temp., °F WB				% CO2	<u>0</u> % CO
Gas Temp., °F DB				% O2	<u>20.9</u> % N2

Average

$$Ps = P_{\text{bar}} + (P_{\text{stat}}/13.6) = \underline{\hspace{10cm}} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) = \underline{\hspace{10cm}}$$

$$Ms = (Md)((1 - (B_w/100)) + 18(B_w/100)) = \underline{\hspace{10cm}}$$

$$V_s = 85.49(60) (C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s}_{avg} / P_s M_s) = \text{fpm}$$

$$V_s = 85.49(60)(C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s avg}/P_s M_s) = \underline{\hspace{1cm}} \text{ fpm}$$

$$Q_s = V_s A_s = \underline{\hspace{2cm}} \text{ cfm} \quad Q_{std} = Q_s (528/T_s) (P_s/29.92) = \underline{\hspace{2cm}} \text{ scfm}$$

USEPA METHOD 2 GAS VELOCITY TRAVERSE
AND VOLUMETRIC FLOWRATE DATA SHEET

Plant	<u>LOCKFORMER</u>	Run No.	<u>4</u>	Operators	<u>TS / mw</u>
Date	<u>4/27/04</u>	Time	<u>19:50</u>	Pitot tube number	<u>3P4</u>
Sampling Location	<u>SVF OUTLET</u>			Pitot tube factor, Cp	<u>0.84</u>
Stack Dimensions - Distance A				Cyclonic Flow Check	<u>✓</u>
Stack Dimensions - Distance B				Bar. Press. in. Hg.	<u>30.22</u>
Stack Dimensions- inches	<u>7 1/2 ~</u>	Area, Sq Ft		Static Press. in. H2O	<u>+3.0</u>
Stack Dimensions				% Moisture, v/v	
Gas Temp., °F WB				<u>0</u>	% CO
Gas Temp., °F DB				<u>20.9</u>	% N2

Average

$$Ps = P_{bar} + (P_{stat}/13.6) = \underline{\hspace{10cm}} \quad Md = 0.440(\%CO_2) + 0.320(\%O_2) + 0.280(\%N_2 + \%CO) = \underline{\hspace{10cm}}$$

$$Ms = (Md)((1 - (Bw/100)) + 18(Bw/100) =$$

$$V_s = 85.49(60) (C_p) \sqrt{\Delta p_{avg}} (\sqrt{T_s} \sqrt{P_s M_s}) = \text{fpm}$$

$$Q_s = V_s A_s = \text{_____ cfm} \quad Q_{std} = Q_s (528/T_s) (P_s/29.92) = \text{_____ scfm}$$

Company	Location	Project No.
Source Designation	SVE Inlet	Pilot Tube Number
Test Date	4-27-04	Meter Number
Test Number	M-1	Meter Iso Factor (Kiso)
Operator	mgm	Delta H@
Filter Numbers-	N/A	Assumed Moisture (Bws)
Barometric Pressure (Pbar)	30.22	Condensate Volume (Vlc)
Stack Static Pressure (Pstat)	+57"	Silica Gel Wt Gain (Vlc)
Stack Dimension-Inches	8"	Nozzle Diameter (in.)
		Leak Rate Initial
		0.000 @15"
		Leak Rate Final
		0.000 @6"
		Traverse points
		—
		Pilot Tube Corr. Factor (Cp)
		1.705
		Meter Corr. Factor (Y)
		1.013
		Orsat Results (%)
		CO2
		O2
		20.5

Traverse Point Number	Sampling Time (Minutes)	Clock Time (24 hour)	Sampling Train Vacuum ("Hg)	Stack Temp. (°F)	Velocity Pres. ("H ₂ O)	Orifice Differential ("H ₂ O)	Sample Volume (cubic feet)	Dry Gas Meter Temperature	Filter Box Temperature (°F)	Last Limping Temperature (°F)
	Ø		Ts	Ps	H	Vm	Inlet (°F) Tm	Outlet (°F) Tm		
0	1418	0	80	+1.80	1.80	929.642	69	69	N/A	55
5	23	0				933.38	70	69		55
10	28	0				936.90	71	68		53
15	33	0				940.88	73	69		53
20	38	0				944.28	75	70		54
25	43	0				948.05	76	70		55
30	48	0				951.69	77	71		56
35	53	0				955.63	78	71		57
40	58	0				959.17	79	72		59
45	1503	0				962.81	79	72		59
50	08	6				966.57	80	72		60
55	13	0				970.28	80	73		60
60	18	6	↓		↓	973.956	80	73	↓	61

$$\cdot H = K_{iso} \cdot (C_p)^2 \cdot (D)^4 \cdot (1 - B_w/100)^2 \cdot (Mw_m/Mw_s) \cdot (P_s/P_m) \cdot (T_m/T_s) \cdot P_s$$

Company	Cookstove	Project No.
Source Designation	SVE inlet	Pilot Tube Number
Test Date	4/27/04	Meter Number
Test Number	M-2	Meter Iso Factor (Kiso)
Operator	mzw	Delta H@
Filter Numbers-	—	Assumed Moisture (Bws)
Barometric Pressure (Phar)	30.22	Condensate Volume (Vlc)
Stack Static Pressure (Pstat)	+57"	Silica Gel Wt Gain (Vlc)
Stack Dimension-Inches	8"	Nozzle Diameter (In.)
		Leak Rate Initial
		0.000 @ 15"
		Leak Rate Final
		0.000 @ 4"
		Traverse points
		—
		Pilot Tube Corr. Factor (Cp)
		—
		Meter Corr. Factor (Y)
		1.013
		Orsat Results (%)
		—
		CO2
		—
		O2
		20.5

Traverse Point Number	Sampling Time (Minutes)	Clock Time (24 hour)	Sampling Train Vacuum ("Hg)	Stack Temp. (°F) Ts	Velocity Pres. ("H2O) Ps	Orifice Differential ("H2O) "H	Sample Volume (cubic feet) Vm	Dry Gas Meter Temperature (°F) Tm	Temperature (°F) Tm	Filter Box Temperature (°F)	Last Impinger Temperature (°F)
0	0	1617	0	80	—	1.80	974.207	74	73	N/A	66
5	22	0	0	1			978.04	75	74	7	66
10	27	0	0				981.75	75	74	7	55
15	32	0	0				985.45	78	74	7	53
20	37	0	0				989.18	79	74	7	53
25	42	0	0				993.05	80	74	7	53
30	47	0	0				996.65	81	75	7	52
35	52	0	0				1000.25	82	75	7	52
40	57	0	0				1004.05	82	75	7	51
45	17.02	0	0				1007.92	83	76	7	51
50	07	0	0				1011.52	83	76	7	49
55	12	0	0				1015.25	83	76	7	50
60	17	0	0	↓			1018.955	83	77	4	50

$$H = K_{iso} * (C_p)^2 * (D)^4 * (1 - B_w/100)^2 * (Mw_m/Mw_s) * (P_s/P_m) * (T_m/T_s) * P_s$$

Locketform

Company	Cokestermer	
Source Designation	SVE inlet	Pilot Tube Number
Test Date	4/27/04	Meter Number
Test Number	m-3	Meter Iso Factor (Kiso)
Operator	mw	Delta H@
Filter Numbers-	—	Assumed Moisture (Bws)
Barometric Pressure (Phar)	30.22	Condensate Volume (Vlc)
Stack Static Pressure (Pstat)	+57	Silica Gel Wt Gain (Vlc)
Stack Dimension-Inches	8"	Nozzle Diameter (In.)

Project No.

<u>7</u>	Leak Rate Initial	0.000 @ 15'
<u>—</u>	Leak Rate Final	0.000 @ 5'
<u>—</u>	Traverse points	—
<u>1.705</u>	Plot Tube Corr. Factor (Cp)	—
<u>—</u>	Meter Corr. Factor (Y)	—
<u>10m</u>	Orsat Results (%)	1.013
<u>79</u>	CO2	—
<u>—</u>	O2	—

Traverse Point Number	Sampling Time (Minutes)	Clock Time (24 hour)	Sampling Train Vacuum ("Hg)	Stack Temp. (°F) Ts	Velocity Pres. ("H2O) Ps	Orifice Differential ("H2O) "H	Sample Volume (cubic feet) Vm	Dry Gas Meter Temperature Inlet (°F) Tm	Dry Gas Meter Temperature Outlet (°F) Tm	Filter Box Temperature (°F)	Last Impinger Temperature (°F)
0	1807	0	82	—	—	1.80	19.280	75	75	n/a	63
5	12	0	—	—	—	—	23.05	75	75	—	55
10	17	0	—	—	—	—	26.89	76	74	—	49
15	22	0	—	—	—	—	30.65	77	74	—	46
20	27	0	—	—	—	—	34.38	78	74	—	45
25	32	0	—	—	—	—	38.14	79	74	—	45
30	37	0	—	—	—	—	41.90	80	74	—	45
35	42	0	—	—	—	—	45.20	80	74	—	45
40	47	0	—	—	—	—	49.38	80	74	—	44
45	52	0	—	—	—	—	53.13	81	75	—	45
50	57	0	—	—	—	—	56.93	81	79	—	44
55	1902	0	—	—	—	—	60.98	81	75	—	44
60	07	0	—	—	—	—	64.514	81	75	—	44

$$\cdot II = Kiso \cdot (Cp)2 \cdot (D)4 \cdot (1 \cdot \beta_w/100)2 \cdot (MW_m/MW_s) \cdot (Ps/Pm) \cdot (T_m/T_s) \cdot \cdot Ps$$

Summary

LOCK FORMER

Source Designation	SV6	OUTLET	Pitot Tube Number
Test Date	4/27/04		Meter Number
Test Number	1		Meter Iso Factor (Kiso)
Operator	TS		Delta H@
Filter Numbers-	—		Assumed Moisture (Bws)
Barometric Pressure (Phar)	30.02		Condensate Volume (Vlc)
Stack Static Pressure (Pstat)	+2.8		Silica Gel Wt Gain (Vlc)
Stack Dimension-inches	7 1/2		Nozzle Diameter (In.)

Project No.

	Leak Rate Initial	0.00	@ 15
	Leak Rate Final	0.00	@ 30
	Traverse points		
1854	Pitot Tube Corr. Factor (Cp)	6.84	
	Meter Corr. Factor (Y)	0.994	
8.0 m1	Oursal Results (%)		
15.8 scms	CO2	0	
	O2	209	

Traverse Point Number	Sampling Time (Minutes)	Clock Time (24 hour)	Sampling Train Vacuum ("Hg)	Stack Temp. (°F)	Velocity Pres. ("H2O)	Orifice Differential ("H2O)	Sample Volume (cubic feet) Vm	Dry Gas Meter Temperature Inlet (°F) Tm	Dry Gas Meter Temperature Outlet (°F) Tm	Filter Box Temperature (°F)	Last Impinger Temperature (°F)
0	0	14:18				1.8	939.870	59	54		46
5	5		1			1.8	913.34	56	54		44
10	10		1			1.8	946.37	57	54		42
15	15		1			1.8	950.35	58	55		43
20	20		1			1.8	953.87	58	54		44
25	25		1			1.8	951.40	58	55		41
30	30		1			1.8	960.94	59	55		49
35	35		1			1.8	964.43	59	56		50
40	40		1			1.8	967.95	59	55		51
45	45		1			1.8	971.43	60	56		52
50	50		1			1.8	974.95	62	57		54
55	55		1	↓	↓	1.8	978.44	61	57		54
60	60	15:18	—				981.932				

$$\cdot H = K_{iso} * (C_p)^2 * (D)^4 * (1 - B_w/100)^2 * (M_w/M_w^*) * (P_s/P_m) * (T_m/T_s) * \cdot P_s$$

Company	<u>LOCKFORMER</u>	Project No.	
Source Designation	SVE OUTLET	Pilot Tube Number	
Test Date	4/27/04	Meter Number	1
Test Number	2	Meter Iso Factor (Kiso)	
Operator	TS	Delta H@	1.854
Filter Numbers-		Assumed Moisture (Bws)	12 mL
Barometric Pressure (Phar)	30-22	Condensate Volume (Vlc)	7.4 SCMS
Stack Static Pressure (Pstat)	+2.8	Silica Gel Wt Gain (Vlc)	O2
Stack Dimension-Inches	7 1/2"	Nozzle Diameter (in.)	
		Leak Rate Initial	0.00 @ 15"
		Leak Rate Final	0.00 @ 8"
		Traverse points	1
		Pilot Tube Corr. Factor (Cp)	0.94
		Meter Corr. Factor (Y)	0.994
		Orsat Results (%)	CO2 0
			20.9

Traverse Point Number	Sampling Time (Minutes) ø	Sampling Train Clock Time (24 hour)	Vacuum ("Hg)	Stack Temp. Ts	Velocity Pres. ("H2O) Ps	Orifice Differential ("H2O) "H	Sample Volume (cubic feet) Vm	Dry Gas Meter Temperature Inlet (°F) Tm	Dry Gas Meter Temperature Outlet (°F) Tm	Filter Box Temperature (°F)	Last Impinger Temperature (°F)
1	0	16:16	15.10	1	1	1.8	982.372	56	55		50
5			1			1.8	985.93	56	56		48
10			1			1.8	989.47	58	56		47
15			1			1.8	993.00	61	58		45
20			1			1.8	996.58	58	56		46
25			1			1.8	1000.12	57	57		46
30			1			1.8	1003.66	59	57		47
35			1			1.8	1007.24	60	57		47
40			1			1.8	1010.75	61	58		46
45			1			1.8	1014.34	61	58		45
50			1			1.8	1017.87	62	58		44
55			1			1.8	1021.42	62	57		44
60	17:16						1024.765				

$$\cdot H = K_{iso} \cdot (Cp)^2 \cdot (D)^4 \cdot (1 - Bw/100)^2 \cdot (MW_m/MW_s) \cdot (Ps/P_m) \cdot (T_m/T_s) \cdot \cdot Ps$$

Company	LOCKFORMER		Project No.			
Source Designation	SVE OUTLET	Pilot Tube Number	0.0	@ 15"		
Test Date	4/27/0-1	Meter Number	1	Leak Rate Final	0.0	@ 0"
Test Number	3	Meter Iso Factor (Kiso)		Traverse points	1	
Operator	TS	Delta H@	1.854	Pilot Tube Corr. Factor (Cp)	0.84	
Filter Numbers:		Assumed Moisture (Bws)	13 ml	Meter Corr. Factor (Y)	0.994	
Barometric Pressure (Pbar)	30.22	Condensate Volume (Vlc)	(6.15)	Orsat Results (%)	0	
Stack Static Pressure (Pstat)	+3.0	Silica Gel Wt Gain (Vlc)		CO2	0	
Stack Dimension-Inches	7 1/2 "	Nozzle Diameter (In.)	—	O2	20.9	

Traverse Point Number	Sampling Time (Minutes) θ	Sampling Train Clock Time (24 hour)	Vacuum ("Hg)	Stack Temp. ($^{\circ}$ F) Ts	Velocity Pres. ("H2O) Ps	Orifice Differential ("H2O) -H	Sample Volume (cubic feet) Vm	Dry Gas Meter Temperature Inlet ($^{\circ}$ F) Tm	Dry Gas Meter Temperature Outlet ($^{\circ}$ F) Tm	Filter Box Temperature ($^{\circ}$ F)	Last Impinger Temperature ($^{\circ}$ F)
1	0	18:06	01			25.367	25.387	53	52		49
5			1			1.8	29.00	52	51		40
10			1			1.8	32.61	53	54		40
15			1			1.8	36.11	54	53		41
20			1			1.8	39.69	56	53		40
25			1			1.8	43.28	56	53		42
30			1			1.8	46.86	55	52		40
35			1			1.8	50.42	54	51		41
40			1			1.8	53.96	55	52		41
45			1			1.8	57.51	56	52		42
50			1			1.8	61.07	56	52		41
55			1			1.8	64.63	56	52		42
60		19:06	—			—	68.220				

$$\cdot H = K_{iso} \cdot (Cp)^2 \cdot (D)^4 \cdot (1 - B_w/100)^2 \cdot (Mw_m/Mw_s) \cdot (Ps/Pm) \cdot (Tm/Ts) \cdot \cdot Ps$$

APPENDIX C
LABORATORY ANALYTICAL DATA

Lockformer

Client Sample ID: SVE IN RUN-1

GC/MS Volatiles

Lot-Sample #....: H4D290121-001 Work Order #....: GE6AN1AD Matrix.....: AIR
Date Sampled....: 04/27/04 Date Received...: 04/29/04
Prep Date.....: 05/11/04 Analysis Date...: 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 420.56 Method.....: EPA-2 TO-15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Dichlorodifluoromethane	ND	84	ppb (v/v)
1,2-Dichloro-	ND	84	ppb (v/v)
1,1,2,2-tetrafluoroethane			
Chloromethane	ND	210	ppb (v/v)
Vinyl chloride	ND	84	ppb (v/v)
Bromomethane	ND	84	ppb (v/v)
Chloroethane	ND	84	ppb (v/v)
Trichlorofluoromethane	ND	84	ppb (v/v)
1,1-Dichloroethene	ND	84	ppb (v/v)
1,1,2-Trichloro-	ND	84	ppb (v/v)
1,2,2-trifluoroethane			
Methylene chloride	ND	210	ppb (v/v)
1,1-Dichloroethane	ND	84	ppb (v/v)
cis-1,2-Dichloroethene	700	84	ppb (v/v)
Chloroform	ND	84	ppb (v/v)
1,1,1-Trichloroethane	ND	84	ppb (v/v)
Carbon tetrachloride	ND	84	ppb (v/v)
Benzene	ND	84	ppb (v/v)
1,2-Dichloroethane	ND	84	ppb (v/v)
Trichloroethene	8400	84	ppb (v/v)
1,2-Dichloropropane	ND	84	ppb (v/v)
cis-1,3-Dichloropropene	ND	84	ppb (v/v)
Toluene	ND	84	ppb (v/v)
trans-1,3-Dichloropropene	ND	84	ppb (v/v)
1,1,2-Trichloroethane	ND	84	ppb (v/v)
Tetrachloroethene	ND	84	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	84	ppb (v/v)
Chlorobenzene	ND	84	ppb (v/v)
Ethylbenzene	ND	84	ppb (v/v)
m-Xylene & p-Xylene	ND	84	ppb (v/v)
o-Xylene	ND	84	ppb (v/v)
Styrene	ND	84	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	84	ppb (v/v)
1,3,5-Trimethylbenzene	ND	84	ppb (v/v)
1,2,4-Trimethylbenzene	ND	84	ppb (v/v)
1,3-Dichlorobenzene	ND	84	ppb (v/v)
1,4-Dichlorobenzene	ND	84	ppb (v/v)
1,2-Dichlorobenzene	ND	84	ppb (v/v)
Benzyl chloride	ND	84	ppb (v/v)

(Continued on next page)

Lockformer

Client Sample ID: SVE IN RUN-1

GC/MS Volatiles

Lot-Sample #...: H4D290121-001 Work Order #...: GE6AN1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	84	ppb (v/v)
Hexachlorobutadiene	ND	84	ppb (v/v)
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	109	(70 - 130)	
Toluene-d8	99	(70 - 130)	
4-Bromofluorobenzene	107	(70 - 130)	

Lockformer

Client Sample ID: SVE IN RUN-2

GC/MS Volatiles

Lot-Sample #....: H4D290121-003 Work Order #....: GE6AQ1AD Matrix.....: AIR
Date Sampled....: 04/27/04 Date Received...: 04/29/04
Prep Date.....: 05/11/04 Analysis Date...: 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 566.48 Method.....: EPA-2 TO-15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Dichlorodifluoromethane	ND	110	ppb (v/v)
1,2-Dichloro-	ND	110	ppb (v/v)
1,1,2,2-tetrafluoroethane			
Chloromethane	ND	280	ppb (v/v)
Vinyl chloride	ND	110	ppb (v/v)
Bromomethane	ND	110	ppb (v/v)
Chloroethane	ND	110	ppb (v/v)
Trichlorofluoromethane	ND	110	ppb (v/v)
1,1-Dichloroethene	ND	110	ppb (v/v)
1,1,2-Trichloro-	ND	110	ppb (v/v)
1,2,2-trifluoroethane			
Methylene chloride	ND	280	ppb (v/v)
1,1-Dichloroethane	ND	110	ppb (v/v)
cis-1,2-Dichloroethene	880	110	ppb (v/v)
Chloroform	ND	110	ppb (v/v)
1,1,1-Trichloroethane	ND	110	ppb (v/v)
Carbon tetrachloride	ND	110	ppb (v/v)
Benzene	ND	110	ppb (v/v)
1,2-Dichloroethane	ND	110	ppb (v/v)
Trichloroethene	12000	110	ppb (v/v)
1,2-Dichloropropane	ND	110	ppb (v/v)
cis-1,3-Dichloropropene	ND	110	ppb (v/v)
Toluene	ND	110	ppb (v/v)
trans-1,3-Dichloropropene	ND	110	ppb (v/v)
1,1,2-Trichloroethane	ND	110	ppb (v/v)
Tetrachloroethene	ND	110	ppb (v/v)
1,2-Dibromoethane (EDB)	ND	110	ppb (v/v)
Chlorobenzene	ND	110	ppb (v/v)
Ethylbenzene	ND	110	ppb (v/v)
m-Xylene & p-Xylene	ND	110	ppb (v/v)
o-Xylene	ND	110	ppb (v/v)
Styrene	ND	110	ppb (v/v)
1,1,2,2-Tetrachloroethane	ND	110	ppb (v/v)
1,3,5-Trimethylbenzene	ND	110	ppb (v/v)
1,2,4-Trimethylbenzene	ND	110	ppb (v/v)
1,3-Dichlorobenzene	ND	110	ppb (v/v)
1,4-Dichlorobenzene	ND	110	ppb (v/v)
1,2-Dichlorobenzene	ND	110	ppb (v/v)
Benzyl chloride	ND	110	ppb (v/v)

(Continued on next page)

Lockformer

Client Sample ID: SVE IN RUN-2

GC/MS Volatiles

Lot-Sample #....: H4D290121-003 Work Order #....: GE6AQ1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	110	ppb(v/v)
Hexachlorobutadiene	ND	110	ppb(v/v)
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
1,2-Dichloroethane-d4	109	(70 ~ 130)	
Toluene-d8	99	(70 ~ 130)	
4-Bromofluorobenzene	106	(70 ~ 130)	

Lockformer

Client Sample ID: SVE IN RUN-3

GC/MS Volatiles

Lot-Sample #....: H4D290121-005	Work Order #....: GE6AT1AD	Matrix.....: AIR
Date Sampled....: 04/27/04	Date Received...: 04/29/04	
Prep Date.....: 05/11/04	Analysis Date...: 05/11/04	
Prep Batch #....: 4133175		
Dilution Factor: 516	Method.....: EPA-2 TO-15	

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Dichlorodifluoromethane	ND	100	ppb(v/v)
1,2-Dichloro-	ND	100	ppb(v/v)
1,1,2,2-tetrafluoroethane			
Chloromethane	ND	260	ppb(v/v)
Vinyl chloride	ND	100	ppb(v/v)
Bromomethane	ND	100	ppb(v/v)
Chloroethane	ND	100	ppb(v/v)
Trichlorofluoromethane	ND	100	ppb(v/v)
1,1-Dichloroethene	ND	100	ppb(v/v)
1,1,2-Trichloro-	ND	100	ppb(v/v)
1,2,2-trifluoroethane			
Methylene chloride	ND	260	ppb(v/v)
1,1-Dichloroethane	ND	100	ppb(v/v)
cis-1,2-Dichloroethene	780	100	ppb(v/v)
Chloroform	ND	100	ppb(v/v)
1,1,1-Trichloroethane	ND	100	ppb(v/v)
Carbon tetrachloride	ND	100	ppb(v/v)
Benzene	ND	100	ppb(v/v)
1,2-Dichloroethane	ND	100	ppb(v/v)
Trichloroethene	8700	100	ppb(v/v)
1,2-Dichloropropane	ND	100	ppb(v/v)
<i>cis</i> -1,3-Dichloropropene	ND	100	ppb(v/v)
Toluene	ND	100	ppb(v/v)
<i>trans</i> -1,3-Dichloropropene	ND	100	ppb(v/v)
1,1,2-Trichloroethane	ND	100	ppb(v/v)
Tetrachloroethene	ND	100	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	100	ppb(v/v)
Chlorobenzene	ND	100	ppb(v/v)
Ethylbenzene	ND	100	ppb(v/v)
<i>m</i> -Xylene & <i>p</i> -Xylene	ND	100	ppb(v/v)
<i>o</i> -Xylene	ND	100	ppb(v/v)
Styrene	ND	100	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	100	ppb(v/v)
1,3,5-Trimethylbenzene	ND	100	ppb(v/v)
1,2,4-Trimethylbenzene	ND	100	ppb(v/v)
1,3-Dichlorobenzene	ND	100	ppb(v/v)
1,4-Dichlorobenzene	ND	100	ppb(v/v)
1,2-Dichlorobenzene	ND	100	ppb(v/v)
Benzyl chloride	ND	100	ppb(v/v)

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Lockformer

Client Sample ID: SVE IN RUN-3

GC/MS Volatiles

Lot-Sample #....: H4D290121-005 Work Order #....: GE6AT1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	100	ppb(v/v)
Hexachlorobutadiene	ND	100	ppb(v/v)
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	111	(70 - 130)	
Toluene-d8	100	(70 - 130)	
4-Bromofluorobenzene	108	(70 - 130)	

Lockformer

Client Sample ID: SVE OUT RUN-1

GC/MS Volatiles

Lot-Sample #....: H4D290121-002 **Work Order #....:** GE6AP1AD **Matrix.....:** AIR
Date Sampled....: 04/27/04 **Date Received...:** 04/29/04
Prep Date.....: 05/11/04 **Analysis Date...:** 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 2.09 **Method.....:** EPA-2 TO-15

PARAMETER	RESULT	REPORTING	UNITS
Dichlorodifluoromethane	0.44	0.42	ppb(v/v)
1,2-Dichloro-	ND	0.42	ppb(v/v)
1,1,2,2-tetrafluoroethane			
Chloromethane	3.6	1.0	ppb(v/v)
Vinyl chloride	49	0.42	ppb(v/v)
Bromomethane	ND	0.42	ppb(v/v)
Chloroethane	ND	0.42	ppb(v/v)
Trichlorofluoromethane	ND	0.42	ppb(v/v)
1,1-Dichloroethene	ND	0.42	ppb(v/v)
1,1,2-Trichloro-	ND	0.42	ppb(v/v)
1,2,2-trifluoroethane			
Methylene chloride	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	0.42	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.42	ppb(v/v)
Chloroform	ND	0.42	ppb(v/v)
1,1,1-Trichloroethane	ND	0.42	ppb(v/v)
Carbon tetrachloride	ND	0.42	ppb(v/v)
Benzene	ND	0.42	ppb(v/v)
1,2-Dichloroethane	ND	0.42	ppb(v/v)
Trichloroethene	13	0.42	ppb(v/v)
1,2-Dichloropropane	ND	0.42	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.42	ppb(v/v)
Toluene	4.7	0.42	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.42	ppb(v/v)
1,1,2-Trichloroethane	ND	0.42	ppb(v/v)
Tetrachloroethene	5.3	0.42	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.42	ppb(v/v)
Chlorobenzene	ND	0.42	ppb(v/v)
Ethylbenzene	ND	0.42	ppb(v/v)
m-Xylene & p-Xylene	0.69	0.42	ppb(v/v)
o-Xylene	ND	0.42	ppb(v/v)
Styrene	ND	0.42	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.42	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.42	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.42	ppb(v/v)
1,3-Dichlorobenzene	ND	0.42	ppb(v/v)
1,4-Dichlorobenzene	ND	0.42	ppb(v/v)
1,2-Dichlorobenzene	ND	0.42	ppb(v/v)
Benzyl chloride	ND	0.42	ppb(v/v)

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Lockformer

Client Sample ID: SVE OUT RUN-1

GC/MS Volatiles

Lot-Sample #....: H4D290121-002 Work Order #....: GE6AP1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	
		<u>LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	0.42	ppb(v/v)
Hexachlorobutadiene	ND	0.42	ppb(v/v)
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	108	(70 - 130)	
Toluene-d8	101	(70 - 130)	
4-Bromofluorobenzene	108	(70 - 130)	

Lockformer

Client Sample ID: SVE OUT RUN-2

GC/MS Volatiles

Lot-Sample #....: H4D290121-004 **Work Order #....:** GE6AR1AD **Matrix.....:** AIR
Date Sampled....: 04/27/04 **Date Received...:** 04/29/04
Prep Date.....: 05/11/04 **Analysis Date..:** 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 1.87 **Method.....:** EPA-2 TO-15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Dichlorodifluoromethane	0.50	0.37	ppb(v/v)
1,2-Dichloro-	ND	0.37	ppb(v/v)
1,1,2,2-tetrafluoroethane			
Chloromethane	4.2	0.94	ppb(v/v)
Vinyl chloride	51	0.37	ppb(v/v)
Bromomethane	ND	0.37	ppb(v/v)
Chloroethane	ND	0.37	ppb(v/v)
Trichlorofluoromethane	ND	0.37	ppb(v/v)
1,1-Dichloroethene	ND	0.37	ppb(v/v)
1,1,2-Trichloro-	ND	0.37	ppb(v/v)
1,2,2-trifluoroethane			
Methylene chloride	ND	0.94	ppb(v/v)
1,1-Dichloroethane	ND	0.37	ppb(v/v)
cis-1,2-Dichloroethene	0.82	0.37	ppb(v/v)
Chloroform	ND	0.37	ppb(v/v)
1,1,1-Trichloroethane	ND	0.37	ppb(v/v)
Carbon tetrachloride	ND	0.37	ppb(v/v)
Benzene	ND	0.37	ppb(v/v)
1,2-Dichloroethane	ND	0.37	ppb(v/v)
Trichloroethene	ND	0.37	ppb(v/v)
1,2-Dichloropropane	ND	0.37	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.37	ppb(v/v)
Toluene	ND	0.37	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.37	ppb(v/v)
1,1,2-Trichloroethane	ND	0.37	ppb(v/v)
Tetrachloroethene	ND	0.37	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.37	ppb(v/v)
Chlorobenzene	ND	0.37	ppb(v/v)
Ethylbenzene	ND	0.37	ppb(v/v)
m-Xylene & p-Xylene	ND	0.37	ppb(v/v)
o-Xylene	ND	0.37	ppb(v/v)
Styrene	ND	0.37	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.37	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.37	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.37	ppb(v/v)
1,3-Dichlorobenzene	ND	0.37	ppb(v/v)
1,4-Dichlorobenzene	ND	0.37	ppb(v/v)
1,2-Dichlorobenzene	ND	0.37	ppb(v/v)
Benzyl chloride	ND	0.37	ppb(v/v)

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Lockformer

Client Sample ID: SVE OUT RUN-2

GC/MS Volatiles

Lot-Sample #....: H4D290121-004 Work Order #....: GE6AR1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	0.37	ppb(v/v)
Hexachlorobutadiene	ND	0.37	ppb(v/v)
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	107	(70 - 130)	
Toluene-d8	101	(70 - 130)	
4-Bromofluorobenzene	106	(70 - 130)	

Lockformer

Client Sample ID: SVE OUT RUN-3

GC/MS Volatiles

Lot-Sample #....: H4D290121-006 **Work Order #....:** GE6AV1AD **Matrix.....:** AIR
Date Sampled....: 04/27/04 **Date Received...:** 04/29/04
Prep Date.....: 05/11/04 **Analysis Date...:** 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 3.03 **Method.....:** EPA-2 TO-15

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Dichlorodifluoromethane	ND	0.61	ppb(v/v)
1,2-Dichloro-	ND	0.61	ppb(v/v)
1,1,2,2-tetrafluoroethane			
Chloromethane	4.7	1.5	ppb(v/v)
Vinyl chloride	56	0.61	ppb(v/v)
Bromomethane	ND	0.61	ppb(v/v)
Chloroethane	ND	0.61	ppb(v/v)
Trichlorofluoromethane	ND	0.61	ppb(v/v)
1,1-Dichloroethene	ND	0.61	ppb(v/v)
1,1,2-Trichloro-	ND	0.61	ppb(v/v)
1,2,2-trifluoroethane			
Methylene chloride	ND	1.5	ppb(v/v)
1,1-Dichloroethane	ND	0.61	ppb(v/v)
cis-1,2-Dichloroethene	ND	0.61	ppb(v/v)
Chloroform	ND	0.61	ppb(v/v)
1,1,1-Trichloroethane	ND	0.61	ppb(v/v)
Carbon tetrachloride	ND	0.61	ppb(v/v)
Benzene	ND	0.61	ppb(v/v)
1,2-Dichloroethane	ND	0.61	ppb(v/v)
Trichloroethene	ND	0.61	ppb(v/v)
1,2-Dichloropropane	ND	0.61	ppb(v/v)
cis-1,3-Dichloropropene	ND	0.61	ppb(v/v)
Toluene	0.67	0.61	ppb(v/v)
trans-1,3-Dichloropropene	ND	0.61	ppb(v/v)
1,1,2-Trichloroethane	ND	0.61	ppb(v/v)
Tetrachloroethene	ND	0.61	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	0.61	ppb(v/v)
Chlorobenzene	ND	0.61	ppb(v/v)
Ethylbenzene	ND	0.61	ppb(v/v)
m-Xylene & p-Xylene	ND	0.61	ppb(v/v)
o-Xylene	ND	0.61	ppb(v/v)
Styrene	ND	0.61	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	0.61	ppb(v/v)
1,3,5-Trimethylbenzene	ND	0.61	ppb(v/v)
1,2,4-Trimethylbenzene	ND	0.61	ppb(v/v)
1,3-Dichlorobenzene	ND	0.61	ppb(v/v)
1,4-Dichlorobenzene	ND	0.61	ppb(v/v)
1,2-Dichlorobenzene	ND	0.61	ppb(v/v)
Benzyl chloride	ND	0.61	ppb(v/v)

(Continued on next page)

Lockformer

Client Sample ID: SVE OUT RUN-3

GC/MS Volatiles

Lot-Sample #....: H4D290121-006 Work Order #....: GE6AV1AD Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2,4-Trichloro- benzene	ND	0.61	ppb (v/v)
Hexachlorobutadiene	ND	0.61	ppb (v/v)
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	108	(70 - 130)	
Toluene-d8	99	(70 - 130)	
4-Bromofluorobenzene	107	(70 - 130)	

METHOD BLANK REPORT**GC/MS Volatiles**

Client Lot #....: H4D290121
 MB Lot-Sample #: H4E120000-175
 Analysis Date...: 05/11/04
 Dilution Factor: 1

Work Order #....: GF2911AA
 Prep Date.....: 05/11/04
 Prep Batch #....: 4133175

Matrix.....: AIR

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-tetrafluoroethane				
Chloromethane	ND	0.50	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2,2-trifluoroethane				
Methylene chloride	ND	0.50	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Toluene	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
o-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2,4-Trichloro-	ND	0.20	ppb(v/v)	EPA-2 TO-15
benzene				

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: H4D290121

Work Order #....: GF2911AA

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		<u>METHOD</u>
		<u>LIMIT</u>	<u>UNITS</u>	
Hexachlorobutadiene	ND	0.20	ppb (v/v)	EPA-2 TO-15
<hr/>				
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		<u>LIMITS</u>
	<u>RECOVERY</u>			
1,2-Dichloroethane-d4	106	(70 - 130)		
Toluene-d8	102	(70 - 130)		
4-Bromofluorobenzene	105	(70 - 130)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: H4D290121 Work Order #....: GF2911AC Matrix.....: AIR
LCS Lot-Sample#: H4E120000-175
Prep Date.....: 05/11/04 Analysis Date...: 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
1,1-Dichloroethene	123	(70 - 130)	EPA-2 TO-15
Benzene	97	(70 - 130)	EPA-2 TO-15
Trichloroethene	101	(70 - 130)	EPA-2 TO-15
Toluene	96	(70 - 130)	EPA-2 TO-15
Chlorobenzene	98	(70 - 130)	EPA-2 TO-15

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	106	(70 - 130)
Toluene-d8	101	(70 - 130)
4-Bromofluorobenzene	106	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: H4D290121 **Work Order #....:** GF2911AC **Matrix.....:** AIR
LCS Lot-Sample#: H4E120000-175
Prep Date.....: 05/11/04 **Analysis Date..:** 05/11/04
Prep Batch #....: 4133175
Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u>	<u>MEASURED</u>	<u>PERCENT</u>	
	<u>AMOUNT</u>	<u>AMOUNT</u>	<u>UNITS</u>	<u>RECOVERY</u>
1,1-Dichloroethene	10.0	12.3	ppb(v/v)	123
Benzene	10.0	9.75	ppb(v/v)	97
Trichloroethene	10.0	10.1	ppb(v/v)	101
Toluene	10.0	9.63	ppb(v/v)	96
Chlorobenzene	10.0	9.75	ppb(v/v)	98

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
1,2-Dichloroethane-d4	106	(70 - 130)
Toluene-d8	101	(70 - 130)
4-Bromofluorobenzene	106	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

STL Knoxville

5815 Middlebrook Pike • Knoxville, TN 37921-5947
 Phone: (865) 291-3000 • Fax: (865) 584-4315
 Receiving: (865) 291-3031

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Project Name/No. ¹ Lock former
 Sample Team Members ² Marc & Tom
 Profit Center No. ³ WTC 144700
 Project Manager ⁴ Arthur Bourlard
 Purchase Order No. ⁶ _____
 Required Report Date ¹¹ _____

Samples Shipment Date ⁷ 04-28-04

Lab Destination ⁸ 04-29-04

Lab Contact ⁹ Scott Harris

Project Contact / Phone ¹² (630) 964-8000

Carrier / Waybill No. ¹³ _____

Reference Document No.

Page 1 of 1

Bill to: ⁵ Arthur Bourlard

Report to: ¹⁰ Arthur Bourlard

William Elwell

Hank Mittlehauser

ONE CONTAINER PER LINE

Sample ¹⁴ Number	Sample ¹⁵ Type	Date/Time ¹⁶ Collected	Container ¹⁷ Type	Sample ¹⁸ Volume	Pre- ¹⁹ servative	Requested Testing ²⁰ Program	Condition on Receipt ²¹ Lab use only
SVE in Run-1	AIR	1418-1518 4-27-04	Sample	1L	N/A	T0-15	Custody seals intact Y N NA
SVE out Run-1		1418-1518					Temperature received at _____
SVE in Run-2		1617-1717					Received by _____ Date _____
SVE out Run-2		1617-1717					Number of packages _____
SVE in Run-3		1834-1939					Tracking # _____
SVE out Run-3		1807-1407		Y	Y		

Special Instructions: ²³

Possible Hazard Identification: ²⁴

Non-Hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: ²⁵

Return to Client Disposal by Lab Archive _____ (mos.)

Turnaround Time Required: ²⁶

Normal Rush

QC Level: ²⁷

I. II. III. Project Specific (specify):

1. Relinquished by ²⁸

(Signature / Affiliation) Arthur Bourlard

Date: 4/27/04

Time: 20:15

1. Received by ²⁸

(Signature / Affiliation)

Date:

Time:

1. Relinquished by

(Signature / Affiliation)

Date:

Time:

1. Received by

(Signature / Affiliation)

Date:

Time:

Comments: ²⁹

White: To accompany samples

Yellow: Field copy

STL Knoxville Flow Regulator Calibration Log

Canister Order	Client ID	Regulator Number	Type of Regulator P or V*	Initial Date of Reading	Analyst	Sampling Time (hours)	Target (ml/min)	± 10% of Target (ml/min)		
								Near Vacuum (ml/min)	~ 20" Hg (ml/min)	- 10" Hg (ml/min)
3341	URS	STL-K094	P	4-23-01	MFH	10	8.33	8.30	8.29	8.30
+	+	+K045	+	+	+	+	+	8.35	8.20	8.39
3347	Lockformer	STL-K030	V	4-23-01	MFH	1	66.67	65.7	64.1	65.9
1		K029						66.5	64.1	66.9
		K140						66.6	66.5	66.6
		K039						66.3	65.9	65.7
		K048						66.5	66.6	65.2
+	+	+ K091	+	+	+	+	+	66.5	66.5	65.7
3346	ELM	STL-K013	V	4-23-01	MFH	3	33.3	33.1	33.5	33.7
3260	Lockformer	STL-K1787	P	4-23-01	MFH	24	3.46	3.42	3.46	3.48
+	+	K092	+			8	10.4	10.3	10.4	10.5
+	+	+ K099	+	+	+	+	+	10.3	10.2	10.2

* P = Preset regulator, V = Variable regulator

Formula : ml / min = $\frac{\text{volume, ml}}{\# \text{hours} \times 60 \text{ min/hr}}$, where variable regulator volume = 4000 ml, preset regulator volume = 5000 ml

SC002R2.DOC, 8/19/03

APPENDIX D
HISTORICAL PROCESS DATA

Date & Time	ERH Discharge Air Flow Rate (scfm)	SVE Influent Air Flow Rate (scfm)	SVE Vacuum (inches of water)	SVE Discharge Air Flow Rate (scfm)	Temp. before heat exchanger (degrees F)	Temp. after heat exchanger (degrees F)	Stack Air Flow Rate (scfm)
4/22/04 0:00	736	963	20.6	1452	109.3	82.4	2132
4/22/04 0:05	731	958	21	1454	109.2	82.3	2115
4/22/04 0:10	731	955	21.1	1450	109.1	82.4	2126
4/22/04 0:15	729	951	20.9	1444	109.1	82.3	2138
4/22/04 0:20	731	953	20.9	1447	109.1	82.2	2138
4/22/04 0:25	726	947	21.3	1451	109.1	82.2	2138
4/22/04 0:30	733	949	21	1442	109.1	82.2	2144
4/22/04 0:35	723	951	21.1	1447	109	82.2	2121
4/22/04 0:40	731	956	21.1	1448	109	82.1	2153
4/22/04 0:45	736	949	21.3	1445	108.9	81.9	2115
4/22/04 0:50	731	961	21	1447	108.8	82	2148
4/22/04 0:55	733	949	21.4	1446	108.8	81.9	2126
4/22/04 1:00	729	956	20.9	1453	108.5	81.9	2126
4/22/04 1:05	733	949	21.3	1448	108.4	81.8	2148
4/22/04 1:10	723	956	21	1448	108.4	81.7	2136
4/22/04 1:15	726	959	21.1	1448	108.2	81.6	2121
4/22/04 1:20	728	951	21.1	1450	108.2	81.6	2109
4/22/04 1:25	717	945	21.7	1445	108	81.5	2132
4/22/04 1:30	727	947	21.3	1444	108	81.5	2121
4/22/04 1:35	733	951	20.9	1452	108	81.4	2105
4/22/04 1:40	726	960	21	1453	108	81.4	2138
4/22/04 1:45	724	951	21.3	1452	107.8	81.4	2136
4/22/04 1:50	719	947	21.7	1450	107.8	81.2	2121
4/22/04 1:55	731	950	21.4	1451	107.7	81.1	2121
4/22/04 2:00	727	959	20.9	1450	107.7	81.1	2128
4/22/04 2:05	726	955	21	1448	107.7	81.1	2115
4/22/04 2:10	734	944	21.8	1446	107.6	81	2121
4/22/04 2:15	731	949	21.2	1452	107.6	81	2138
4/22/04 2:20	717	953	21	1448	107.5	80.9	2138
4/22/04 2:25	718	949	21.6	1451	107.6	80.9	2121
4/22/04 2:30	731	957	21.3	1442	107.5	80.9	2138
4/22/04 2:35	729	953	20.8	1447	107.3	80.8	2155
4/22/04 2:40	720	951	21.2	1452	107.3	80.7	2153
4/22/04 2:45	729	962	21	1451	107.3	80.8	2144
4/22/04 2:50	728	958	21	1451	107.2	80.6	2148
4/22/04 2:55	729	956	21	1450	107.2	80.6	2128
4/22/04 3:00	726	961	20.8	1450	107.2	80.6	2138
4/22/04 3:05	733	948	21.2	1448	107.3	80.7	2161
4/22/04 3:10	728	956	21.1	1450	107.3	80.6	2136
4/22/04 3:15	723	945	21.6	1446	107.3	80.6	2109
4/22/04 3:20	719	951	21.2	1447	107.3	80.6	2111
4/22/04 3:25	731	945	21.4	1451	107.3	80.6	2136
4/22/04 3:30	727	958	20.9	1453	107.3	80.6	2144
4/22/04 3:35	729	947	22	1448	107.2	80.6	2136
4/22/04 3:40	726	955	21.2	1451	107.2	80.5	2128
4/22/04 3:45	733	955	21.4	1451	107.2	80.3	2165
4/22/04 3:50	733	955	21.1	1446	107.1	80.4	2153
4/22/04 3:55	731	949	21.2	1450	107.1	80.4	2119
4/22/04 4:00	733	956	20.9	1451	107.1	80.5	2105
4/22/04 4:05	729	959	20.9	1448	107.1	80.5	2136
4/22/04 4:10	726	951	21.3	1447	107	80.4	2103
4/22/04 4:15	735	956	21.3	1452	107	80.4	2138
4/22/04 4:20	729	950	21.1	1455	106.9	80.4	2126
4/22/04 4:25	733	954	21.1	1450	107.1	80.3	2119
4/22/04 4:30	729	960	20.7	1448	107.1	80.4	2159
4/22/04 4:35	726	958	21.3	1450	107.1	80.2	2128

4/22/04 4:40	726	945	21.5	1450	107.1	80.4	2119
4/22/04 4:45	731	957	21.4	1448	107.2	80.3	2148
4/22/04 4:50	728	950	21.4	1447	107.2	80.3	2136
4/22/04 4:55	724	954	21.2	1446	107.2	80.1	2144
4/22/04 5:00	731	932	22.2	1448	107.2	80.2	2132
4/22/04 5:05	722	947	21.2	1447	107.2	80.2	2161
4/22/04 5:10	723	949	21.4	1456	107.2	80.2	2144
4/22/04 5:15	733	960	21	1453	107.1	80.1	2111
4/22/04 5:20	731	954	21.7	1450	107.1	80.1	2136
4/22/04 5:25	729	947	21.4	1446	107.1	80.1	2126
4/22/04 5:30	733	951	21.4	1454	107.1	80	2138
4/22/04 5:35	733	945	21.7	1451	107.1	80	2111
4/22/04 5:40	722	947	21.6	1451	107.1	79.8	2111
4/22/04 5:45	729	961	21	1452	107.2	80.2	2132
4/22/04 5:50	734	956	21.2	1455	107.3	80.4	2138
4/22/04 5:55	719	957	21.3	1452	107.4	80.7	2128
4/22/04 6:00	733	963	21	1450	107.5	80.9	2105
4/22/04 6:05	721	947	21.4	1452	107.7	81	2155
4/22/04 6:10	728	962	21.2	1451	107.8	81.1	2109
4/22/04 6:15	726	948	21.4	1455	107.9	81.2	2126
4/22/04 6:20	727	962	21.1	1453	107.9	81.4	2138
4/22/04 6:25	719	942	22	1442	108	81.6	2138
4/22/04 6:30	729	957	21.3	1450	108.2	81.6	2148
4/22/04 6:35	731	959	21.3	1453	108.3	81.7	2121
4/22/04 6:40	733	947	21.4	1448	108.3	81.7	2119
4/22/04 6:45	722	962	21	1447	108.4	81.7	2126
4/22/04 6:50	729	942	21.4	1448	108.6	81.9	2109
4/22/04 6:55	726	960	21	1446	108.6	82	2126
4/22/04 7:00	736	957	21	1447	108.8	82	2119
4/22/04 7:05	731	958	21.2	1455	108.9	82.1	2092
4/22/04 7:10	731	956	21	1452	108.9	82.1	2105
4/22/04 7:15	733	956	21.3	1450	109	82.2	2115
4/22/04 7:20	715	951	20.8	1451	109	82.5	2111
4/22/04 7:25	720	955	21.4	1450	108.9	82.1	2082
4/22/04 7:30	0	979	21.9	1514	99.3	79.3	1384
4/22/04 7:35	0	973	22.3	1507	97.4	78.5	1370
4/22/04 7:40	0	969	22.1	1513	96.7	78.1	1380
4/22/04 7:45	722	954	20.9	1450	105.6	80.3	2105
4/22/04 7:50	728	945	21.6	1448	107.5	81.1	2109
4/22/04 7:55	727	956	21.3	1451	108.3	81.5	2132
4/22/04 8:00	731	950	21.1	1451	108.8	81.7	2144
4/22/04 8:05	737	956	21.4	1448	109	81.8	2094
4/22/04 8:10	734	954	21.1	1446	109.3	81.8	2111
4/22/04 8:15	729	950	21.4	1447	109.4	82.1	2165
4/22/04 8:20	733	960	21	1446	109.6	82.1	2138
4/22/04 8:25	743	941	21.9	1441	109.7	82.2	2159
4/22/04 8:30	745	943	21.9	1450	109.9	82.4	2126
4/22/04 8:35	743	955	21.2	1446	109.9	82.3	2126
4/22/04 8:40	746	956	20.8	1448	110	82.3	2136
4/22/04 8:45	745	958	20.9	1448	110.1	82.4	2148
4/22/04 8:50	733	956	20.9	1452	110.2	82.5	2144
4/22/04 8:55	742	954	21.2	1446	110.3	82.7	2144
4/22/04 9:00	736	960	20.9	1448	110.4	82.6	2144
4/22/04 9:05	746	950	21.1	1447	110.4	82.7	2148
4/22/04 9:10	744	955	21.2	1445	110.5	82.9	2153
4/22/04 9:15	744	957	20.8	1452	110.5	82.9	2132
4/22/04 9:20	739	936	21.5	1442	110.6	82.8	2153
4/22/04 9:25	743	953	21.2	1450	110.7	83	2138
4/22/04 9:30	742	937	22.1	1446	110.8	83.1	2132
4/22/04 9:35	747	947	21.3	1443	110.8	83.2	2167
4/22/04 9:40	746	949	21.1	1446	110.9	83.3	2128

4/22/04 9:45	742	959	20.9	1448	111	83.4	2148
4/22/04 9:50	744	950	21.1	1446	111.1	83.5	2155
4/22/04 9:55	745	954	21	1452	111.1	83.5	2105
4/22/04 10:00	743	950	21.6	1446	111.2	83.6	2128
4/22/04 10:05	743	956	20.8	1446	111.3	83.7	2132
4/22/04 10:10	742	945	21.2	1446	111.3	83.8	2132
4/22/04 10:15	743	947	21.6	1443	111.3	83.8	2128
4/22/04 10:20	742	951	21.2	1442	111.6	84	2136
4/22/04 10:25	746	940	21.6	1448	111.7	84.1	2144
4/22/04 10:30	749	939	21.8	1445	111.6	84	2136
4/22/04 10:35	745	927	22.3	1442	111.7	84.1	2148
4/22/04 10:40	744	942	21.5	1444	111.8	84.1	2121
4/22/04 10:45	746	950	21.1	1446	111.8	84.3	2148
4/22/04 10:50	755	949	21	1446	111.9	84.4	2121
4/22/04 10:55	741	948	21	1446	111.9	84.4	2136
4/22/04 11:00	742	956	21.1	1446	111.9	84.5	2132
4/22/04 11:05	745	949	21	1450	111.9	84.5	2138
4/22/04 11:10	743	949	21	1446	112	84.6	2136
4/22/04 11:15	743	936	21.9	1446	112.1	84.7	2138
4/22/04 11:20	749	948	21.4	1444	112.2	84.7	2136
4/22/04 11:25	749	955	20.9	1448	112.2	84.7	2159
4/22/04 11:30	755	951	21.1	1446	112.3	84.8	2165
4/22/04 11:35	752	954	21	1448	112.2	84.9	2138
4/22/04 11:40	750	948	21.2	1446	112.3	85.1	2136
4/22/04 11:45	748	926	21.9	1434	112.4	85.1	2119
4/22/04 11:50	751	947	21.4	1443	112.4	85	2132
4/22/04 11:55	748	950	21	1450	112.4	84.9	2126
4/22/04 12:00	738	944	21.6	1439	112.4	85.3	2165
4/22/04 12:05	746	944	21.2	1445	112.4	83.3	2126
4/22/04 12:10	751	954	21	1450	111.8	79.5	2159
4/22/04 12:15	748	945	21.6	1442	111.1	78.8	2132
4/22/04 12:20	754	942	21.4	1448	110.6	78.4	2153
4/22/04 12:25	754	955	21.1	1446	110.2	78.2	2165
4/22/04 12:30	751	951	21.3	1447	109.9	77.3	2144
4/22/04 12:35	755	949	21.2	1451	109.6	77.2	2165
4/22/04 12:40	749	949	21.4	1447	109.4	77.5	2155
4/22/04 12:45	750	951	21.4	1446	109.1	76.3	2144
4/22/04 12:50	757	958	21.1	1452	109	77.4	2177
4/22/04 12:55	754	949	21.5	1451	109.1	79.5	2177
4/22/04 13:00	754	949	21.4	1448	109	78	2144
4/22/04 13:05	0	0	0.1	83	105.2	77.4	411
4/22/04 13:10	0	0	-0.2	83	98	73.6	444
4/22/04 13:15	0	0	-0.2	91	93.5	71.6	428
4/22/04 13:20	0	0	-0.2	91	90.2	70.2	428
4/22/04 13:25	0	0	-0.2	91	87.5	69.1	428
4/22/04 13:30	0	1002	21.4	1513	95.7	73.7	1308
4/22/04 13:35	818	0	-0.2	83	95.9	76.7	928
4/22/04 13:40	821	0	-0.2	83	87.9	71	928
4/22/04 13:45	686	956	21.8	1446	106.2	77.7	1980
4/22/04 13:50	711	962	21.2	1450	108.3	78.9	2013
4/22/04 13:55	716	962	21.1	1453	108.9	78.9	2024
4/22/04 14:00	722	961	21.6	1448	108.9	79.1	1995
4/22/04 14:05	711	949	21.9	1447	109	77.8	1999
4/22/04 14:10	711	889	20.4	1453	108.4	78.2	2013
4/22/04 14:15	675	916	19.5	1463	108.1	78	2030
4/22/04 14:20	721	907	19.7	1454	107.6	76.2	2030
4/22/04 14:25	707	916	19.6	1456	107.9	81	2030
4/22/04 14:30	679	912	19.7	1459	108.3	82.2	1999
4/22/04 14:35	703	912	19.6	1453	108.9	82.3	2030
4/22/04 14:40	681	905	19.7	1456	109.1	82.5	1989
4/22/04 14:45	681	902	19.6	1458	109.3	82.8	1991

4/22/04 14:50	713	911	19.5	1455	109.4	83	2016
4/22/04 14:55	711	903	19.7	1452	109.6	83.2	2024
4/22/04 15:00	711	907	19.2	1458	109.8	83.4	2013
4/22/04 15:05	707	905	19.6	1454	109.9	83.6	2024
4/22/04 15:10	719	892	19.9	1450	109.9	83.6	2016
4/22/04 15:15	713	895	20.1	1453	109.9	83.6	1991
4/22/04 15:20	711	897	19.7	1450	110.1	83.9	2020
4/22/04 15:25	703	909	19.2	1452	110.2	84	2045
4/22/04 15:30	705	898	19.9	1452	110.3	83.9	2009
4/22/04 15:35	741	899	19.6	1448	110.7	84	2065
4/22/04 15:40	739	890	20	1448	111	84.5	2082
4/22/04 15:45	743	900	19.4	1450	111.2	84.7	2051
4/22/04 15:50	743	900	19.4	1451	111.2	84.4	2078
4/22/04 15:55	749	899	19.5	1453	111.2	84.2	2065
4/22/04 16:00	747	896	19.4	1448	111.2	84.1	2084
4/22/04 16:05	739	890	19.7	1446	111.1	84	2078
4/22/04 16:10	743	896	19.5	1451	111	83.8	2065
4/22/04 16:15	738	903	19.3	1453	110.9	83.9	2084
4/22/04 16:20	739	904	19.4	1447	110.8	83.8	2051
4/22/04 16:25	735	903	19.2	1451	110.6	83.8	2047
4/22/04 16:30	741	881	20.1	1448	110.5	83.6	2036
4/22/04 16:35	740	907	19.4	1450	110.5	83.5	2061
4/22/04 16:40	744	899	19.5	1445	110.3	83.4	2047
4/22/04 16:45	740	902	19.5	1455	110.2	83.3	2072
4/22/04 16:50	746	903	19.4	1459	110.2	83.3	2045
4/22/04 16:55	735	880	20.4	1446	110	83.1	2061
4/22/04 17:00	735	898	19.7	1456	109.8	83.1	2088
4/22/04 17:05	748	897	19.9	1450	109.7	83	2082
4/22/04 17:10	744	903	19.5	1456	109.6	82.9	2065
4/22/04 17:15	735	911	19.3	1453	109.5	82.9	2084
4/22/04 17:20	734	898	19.4	1453	109.4	82.8	2094
4/22/04 17:25	751	901	19.4	1452	109.3	82.8	2065
4/22/04 17:30	744	897	19.6	1451	109.3	82.6	2067
4/22/04 17:35	743	907	19.5	1453	109.2	82.5	2065
4/22/04 17:40	735	903	19.5	1453	109	82.4	2078
4/22/04 17:45	741	890	20	1451	109	82.4	2055
4/22/04 17:50	750	898	19.8	1453	108.9	82.4	2065
4/22/04 17:55	738	906	19.4	1456	108.9	82.3	2082
4/22/04 18:00	735	899	19.8	1450	108.8	82.1	2072
4/22/04 18:05	745	904	19.5	1450	108.6	82.1	2076
4/22/04 18:10	743	903	19.4	1456	108.5	82.1	2072
4/22/04 18:15	735	901	19.6	1453	108.5	82	2084
4/22/04 18:20	747	903	19.8	1455	108.4	82.1	2072
4/22/04 18:25	744	907	19.4	1450	108.4	81.9	2082
4/22/04 18:30	740	900	19.4	1451	108.3	81.9	2072
4/22/04 18:35	748	900	19.8	1450	108.3	81.7	2051
4/22/04 18:40	739	909	19.5	1451	108.2	81.7	2088
4/22/04 18:45	744	900	19.5	1452	108.2	81.7	2082
4/22/04 18:50	743	904	19.6	1452	108.2	81.6	2072
4/22/04 18:55	740	912	19.3	1453	108	81.5	2088
4/22/04 19:00	739	898	19.6	1455	107.9	81.5	2047
4/22/04 19:05	744	901	19.6	1448	107.9	81.6	2078
4/22/04 19:10	747	906	19.6	1453	107.9	81.5	2051
4/22/04 19:15	745	905	19.5	1450	107.8	81.3	2047
4/22/04 19:20	735	894	19.7	1451	107.8	81.3	2076
4/22/04 19:25	745	902	19.5	1455	107.7	81.3	2078
4/22/04 19:30	729	909	19.4	1455	107.7	81.1	2076
4/22/04 19:35	747	902	19.8	1456	107.6	81.1	2055
4/22/04 19:40	743	903	19.7	1451	107.7	81.1	2078
4/22/04 19:45	744	905	19.6	1455	107.6	81.1	2072
4/22/04 19:50	748	911	19.6	1459	107.5	81.1	2082

4/22/04 19:55	747	897	19.8	1450	107.5	81.1	2061
4/22/04 20:00	744	913	19	1455	107.5	80.9	2067
4/22/04 20:05	739	902	19.7	1457	107.4	80.9	2078
4/22/04 20:10	737	900	19.6	1462	107.4	80.8	2067
4/22/04 20:15	741	896	19.8	1455	107.3	80.8	2065
4/22/04 20:20	731	895	20.1	1454	107.4	80.8	2055
4/22/04 20:25	734	902	19.8	1455	107.4	80.7	2055
4/22/04 20:30	733	901	20.1	1454	107.3	80.8	2076
4/22/04 20:35	736	911	19.4	1453	107.2	80.7	2072
4/22/04 20:40	739	912	19.3	1456	107.2	80.6	2051
4/22/04 20:45	744	915	19.1	1461	107.2	80.5	2094
4/22/04 20:50	742	911	19.7	1463	107.2	80.6	2067
4/22/04 20:55	739	909	19.4	1458	107.1	80.6	2067
4/22/04 21:00	747	897	19.7	1453	107.1	80.5	2076
4/22/04 21:05	744	913	19.3	1456	107.1	80.5	2078
4/22/04 21:10	744	913	19.4	1460	107	80.4	2045
4/22/04 21:15	737	900	19.7	1457	107.1	80.5	2092
4/22/04 21:20	742	894	20.3	1450	107	80.4	2072
4/22/04 21:25	744	912	19.4	1453	106.9	80.4	2045
4/22/04 21:30	736	915	19.4	1456	107	80.4	2061
4/22/04 21:35	731	912	19.6	1456	106.9	80.4	2067
4/22/04 21:40	740	914	19.3	1459	106.9	80.3	2067
4/22/04 21:45	748	897	20.3	1455	106.9	80.2	2078
4/22/04 21:50	736	911	19.3	1458	106.9	80.1	2072
4/22/04 21:55	743	914	19.4	1455	106.9	80.2	2088
4/22/04 22:00	745	909	19.7	1456	106.8	80.2	2065
4/22/04 22:05	741	911	19.6	1456	106.8	80.1	2094
4/22/04 22:10	737	899	19.7	1455	106.8	80.1	2055
4/22/04 22:15	744	903	19.9	1456	106.7	80.1	2065
4/22/04 22:20	744	907	19.7	1453	106.7	80	2082
4/22/04 22:25	744	913	19.5	1459	106.7	80	2047
4/22/04 22:30	737	912	19.6	1456	106.7	80	2076
4/22/04 22:35	744	904	19.6	1454	106.7	80	2061
4/22/04 22:40	736	911	19.5	1455	106.7	79.9	2047
4/22/04 22:45	744	911	19.5	1457	106.7	80	2061
4/22/04 22:50	743	892	20.4	1453	106.7	79.9	2040
4/22/04 22:55	739	909	19.6	1457	106.6	79.9	2040
4/22/04 23:00	742	900	19.8	1455	106.6	79.7	2047
4/22/04 23:05	733	916	19.4	1456	106.6	79.7	2078
4/22/04 23:10	737	914	19.4	1455	106.5	79.8	2061
4/22/04 23:15	733	915	19.7	1453	106.6	79.7	2072
4/22/04 23:20	737	903	19.9	1457	106.6	79.7	2065
4/22/04 23:25	742	911	19.5	1456	106.5	79.6	2067
4/22/04 23:30	740	915	19.4	1455	106.6	79.6	2067
4/22/04 23:35	733	907	19.6	1458	106.6	79.7	2076
4/22/04 23:40	745	899	20.1	1450	106.5	79.7	2067
4/22/04 23:45	748	890	20.1	1451	106.6	79.6	2067
4/22/04 23:50	744	907	19.5	1459	106.5	79.6	2067
4/22/04 23:55	733	894	20	1456	106.5	79.6	2034
4/23/04 0:00	739	900	20.1	1453	106.5	79.6	2078
4/23/04 0:05	734	911	19.7	1457	106.5	79.5	2047
4/23/04 0:10	748	920	19.1	1456	106.5	79.5	2040
4/23/04 0:15	742	912	19.6	1455	106.5	79.5	2067
4/23/04 0:20	729	901	19.8	1458	106.3	79.5	2082
4/23/04 0:25	733	912	19.4	1459	106.4	79.5	2088
4/23/04 0:30	736	918	19.4	1456	106.3	79.4	2065
4/23/04 0:35	731	907	19.4	1457	106.4	79.4	2065
4/23/04 0:40	743	912	19.5	1460	106.3	79.4	2034
4/23/04 0:45	743	912	19.2	1461	106.3	79.4	2051
4/23/04 0:50	737	902	19.9	1453	106.2	79.3	2055
4/23/04 0:55	744	913	19.6	1457	106.2	79.3	2055

4/23/04 1:00	738	901	19.8	1455	106.2	79.3	2065
4/23/04 1:05	734	907	19.5	1458	106.1	79.2	2078
4/23/04 1:10	738	905	19.8	1457	106	79.2	2084
4/23/04 1:15	736	909	19.6	1455	105.8	79.1	2067
4/23/04 1:20	738	914	19.5	1456	105.8	79	2067
4/23/04 1:25	744	914	19.7	1457	105.8	79.1	2061
4/23/04 1:30	736	912	19.7	1459	105.7	79	2082
4/23/04 1:35	742	903	19.8	1459	105.7	79	2082
4/23/04 1:40	740	907	19.6	1455	105.6	79	2076
4/23/04 1:45	738	909	19.5	1456	105.5	78.8	2072
4/23/04 1:50	746	914	19.5	1460	105.4	78.8	2072
4/23/04 1:55	741	909	19.5	1455	105.4	78.8	2065
4/23/04 2:00	741	917	19.4	1458	105.4	78.6	2065
4/23/04 2:05	739	909	19.8	1456	105.3	78.5	2047
4/23/04 2:10	736	912	19.6	1458	105.2	78.5	2094
4/23/04 2:15	734	894	20.2	1451	105.2	78.5	2055
4/23/04 2:20	745	900	20.3	1455	105.1	78.5	2072
4/23/04 2:25	735	904	19.7	1458	105.1	78.5	2076
4/23/04 2:30	736	913	19.5	1457	105	78.4	2047
4/23/04 2:35	736	912	19.8	1455	105	78.4	2067
4/23/04 2:40	736	909	19.7	1454	105	78.3	2076
4/23/04 2:45	739	914	19.5	1459	105	78.3	2067
4/23/04 2:50	733	912	19.6	1455	105	78.3	2082
4/23/04 2:55	733	907	19.6	1459	104.9	78.2	2055
4/23/04 3:00	737	911	19.7	1458	104.9	78.2	2065
4/23/04 3:05	737	911	19.8	1452	104.9	78.2	2065
4/23/04 3:10	739	909	19.8	1459	104.9	78.5	2072
4/23/04 3:15	731	914	19.5	1458	105	78.4	2084
4/23/04 3:20	741	917	19.3	1461	104.9	78.3	2055
4/23/04 3:25	738	913	19.6	1454	104.9	78.2	2078
4/23/04 3:30	735	916	19.4	1456	104.9	78.2	2082
4/23/04 3:35	741	918	19.5	1453	104.9	78.8	2067
4/23/04 3:40	739	912	19.8	1459	105	78.5	2065
4/23/04 3:45	738	903	19.7	1453	105	78.4	2072
4/23/04 3:50	734	904	20	1461	104.9	78.2	2061
4/23/04 3:55	742	911	19.8	1455	104.9	78.2	2061
4/23/04 4:00	744	901	19.9	1455	104.9	78.8	2067
4/28/04 4:05	739	906	19.6	1455	104.9	78.5	2040
4/23/04 4:10	729	909	19.8	1456	104.9	78.3	2061
4/23/04 4:15	739	916	19.5	1457	104.9	78.2	2055
4/23/04 4:20	740	911	20.1	1455	104.9	78.1	2045
4/23/04 4:25	750	907	19.8	1460	104.9	79	2088
4/23/04 4:30	740	905	19.9	1455	104.9	78.4	2040
4/23/04 4:35	733	907	19.9	1463	104.9	78.2	2072
4/23/04 4:40	738	920	19.5	1461	104.9	78.1	2047
4/23/04 4:45	741	907	19.9	1460	104.8	78	2078
4/23/04 4:50	743	902	20.1	1456	104.8	78.5	2076
4/23/04 4:55	737	909	19.7	1456	104.8	78.3	2045
4/23/04 5:00	739	907	19.6	1456	104.8	78.2	2051
4/23/04 5:05	737	922	19.4	1455	104.7	78	2065
4/23/04 5:10	737	918	19.7	1459	104.7	78.4	2076
4/23/04 5:15	750	900	20.2	1450	104.7	78.2	2076
4/23/04 5:20	735	903	19.8	1464	104.7	78.5	2051
4/23/04 5:25	731	914	19.7	1456	104.7	78.2	2040
4/23/04 5:30	734	909	19.8	1457	104.8	77.3	2067
4/23/04 5:35	735	906	20.1	1461	104.8	77.4	2055
4/23/04 5:40	739	906	19.9	1458	104.7	77.5	2051
4/23/04 5:45	735	911	19.8	1459	104.9	79.1	2055
4/23/04 5:50	742	918	19.4	1456	105	78.5	2084
4/23/04 5:55	729	914	19.8	1456	105.1	78.3	2065
4/23/04 6:00	738	907	19.7	1459	105.1	78.5	2061

4/23/04 6:05	733	906	19.7	1457	105.2	78.6	2065
4/23/04 6:10	737	895	20.1	1453	105.4	78.5	2051
4/23/04 6:15	747	911	19.8	1452	105.5	79	2067
4/23/04 6:20	744	904	19.8	1452	105.6	78.9	2072
4/23/04 6:25	735	907	19.8	1453	105.7	79.1	2055
4/23/04 6:30	728	913	19.7	1458	105.8	79.1	2076
4/23/04 6:35	742	894	20.3	1458	106	79	2061
4/23/04 6:40	736	904	19.8	1456	106.2	79.4	2088
4/23/04 6:45	740	901	20.3	1454	106.3	79.4	2051
4/23/04 6:50	741	912	19.7	1452	106.4	79.5	2065
4/23/04 6:55	743	909	19.5	1454	106.6	79.7	2067
4/23/04 7:00	734	902	19.8	1459	106.7	79.7	2051
4/23/04 7:05	733	897	20.3	1452	106.8	80	2065
4/23/04 7:10	740	904	19.8	1453	107.1	80	2082
4/23/04 7:15	738	911	19.6	1458	107.2	80	2045
4/23/04 7:20	731	901	19.8	1455	107.4	80.1	2065
4/23/04 7:25	737	890	20.3	1453	107.6	79.8	2051
4/23/04 7:30	733	904	19.7	1453	107.9	80.1	2067
4/23/04 7:35	735	907	19.6	1455	108	80.2	2036
4/23/04 7:40	742	911	19.6	1455	108.1	80.4	2067
4/23/04 7:45	735	909	19.6	1451	108.4	80.6	2045
4/23/04 7:50	733	895	19.9	1453	108.5	81	2026
4/23/04 7:55	729	898	19.9	1456	108.8	81	2036
4/23/04 8:00	738	906	19.5	1453	109	81.6	2045
4/23/04 8:05	740	898	20.2	1455	109.2	81.8	2040
4/23/04 8:10	739	892	19.8	1456	109.3	82.2	2030
4/23/04 8:15	731	903	19.6	1452	109.5	81.9	2051
4/23/04 8:20	737	911	19.3	1452	109.7	81.9	2045
4/23/04 8:25	740	907	19.7	1450	110	82.2	2045
4/23/04 8:30	733	898	19.8	1457	110.2	82.7	2065
4/23/04 8:35	727	900	19.6	1453	110.4	82.9	2045
4/23/04 8:40	733	909	19.4	1453	110.7	83.3	2034
4/23/04 8:45	741	897	19.9	1452	110.8	82.5	2036
4/23/04 8:50	729	906	19.5	1453	111	83.2	2067
4/23/04 8:55	729	886	20	1455	111.1	83.3	2061
4/23/04 9:00	741	894	19.9	1451	111	82.1	2051
4/23/04 9:05	744	890	20.2	1447	110.9	81.8	2072
4/23/04 9:10	716	903	19.6	1455	111	81.1	2036
4/23/04 9:15	744	903	19.5	1450	111	81.8	2036
4/23/04 9:20	741	894	19.8	1450	111.2	81.5	2040
4/23/04 9:25	729	900	19.7	1451	111.1	81.5	2026
4/23/04 9:30	739	879	20.5	1448	111.2	81.7	2045
4/23/04 9:35	734	900	19.5	1453	111.1	81.6	2030
4/23/04 9:40	738	901	19.7	1453	111.4	82.4	2030
4/23/04 9:45	731	902	19.6	1447	111.7	83	2067
4/23/04 9:50	736	903	19.5	1448	112	83.7	2034
4/23/04 9:55	737	890	19.6	1450	112.3	83.8	2026
4/23/04 10:00	735	895	19.7	1453	112.4	83.9	2036
4/23/04 10:05	734	900	19.6	1448	112.7	84.1	2036
4/23/04 10:10	726	895	19.6	1450	113.1	84	2036
4/23/04 10:15	727	903	19.7	1448	113.3	84.5	2009
4/23/04 10:20	740	887	20.2	1445	113.3	84.5	2036
4/23/04 10:25	729	896	19.6	1446	113.6	84.7	2047
4/23/04 10:30	729	897	19.5	1446	113.7	85	2034
4/23/04 10:35	733	882	20.2	1441	113.8	85.4	2045
4/23/04 10:40	727	888	19.8	1445	114	85.3	2047
4/23/04 10:45	728	887	19.9	1446	114.2	85.5	2061
4/23/04 10:50	740	909	19.2	1448	114.4	85.7	2013
4/23/04 10:55	729	899	19.5	1448	114.6	85.7	2061
4/23/04 11:00	735	887	19.9	1442	114.7	86.2	2030
4/23/04 11:05	731	902	19.1	1446	114.9	86.6	2061

4/23/04 11:10	729	891	19.7	1444	115	86.2	2016
4/23/04 11:15	731	884	20.1	1441	115.1	86.7	2026
4/23/04 11:20	719	883	19.9	1444	115.2	86.8	2009
4/23/04 11:25	737	894	19.4	1442	115.3	87.1	2030
4/23/04 11:30	723	886	19.6	1444	115.4	87	2047
4/23/04 11:35	734	890	19.5	1444	115.4	87	2030
4/23/04 11:40	729	898	19.4	1444	115.5	87.9	2026
4/23/04 11:45	748	899	19.4	1444	115.7	88.1	2024
4/23/04 11:50	752	892	19.4	1439	115.9	88.3	2040
4/23/04 11:55	749	900	19.3	1443	116	88.3	2055
4/23/04 12:00	745	887	19.7	1439	116.1	88.4	2016
4/23/04 12:05	735	893	19.4	1439	116.1	88.6	2055
4/23/04 12:10	744	888	19.6	1444	116.4	88.7	2030
4/23/04 12:15	743	891	19.5	1439	116.5	89.1	2040
4/23/04 12:20	734	894	19.4	1442	116.6	89	2036
4/23/04 12:25	728	882	19.6	1444	116.7	89.3	2024
4/23/04 12:30	733	897	19.1	1441	116.9	89.4	2026
4/23/04 12:35	761	897	19	1443	117.1	89.6	2040
4/23/04 12:40	745	895	19.3	1439	117.2	89.7	2055
4/23/04 12:45	741	891	19.3	1438	117.3	89.9	2020
4/23/04 12:50	749	894	19.4	1442	117.4	89.7	2030
4/23/04 12:55	749	899	19.1	1439	117.5	90	2036
4/23/04 13:00	756	871	20.1	1439	117.6	90.3	2026
4/23/04 13:05	741	884	19.3	1433	117.7	90.4	2020
4/23/04 13:10	737	894	19.3	1441	117.8	90.6	2036
4/23/04 13:15	739	891	19.1	1438	117.8	90.6	2051
4/23/04 13:20	742	898	18.9	1442	118	90.8	2013
4/23/04 13:25	751	894	19	1443	118.1	90.9	2026
4/23/04 13:30	724	895	19.3	1441	118.1	91	2040
4/23/04 13:35	741	893	19	1440	118.1	91	2051
4/23/04 13:40	739	887	19.1	1440	118.2	91.2	2016
4/23/04 13:45	744	893	19	1442	118.3	91.2	2034
4/23/04 13:50	737	898	18.8	1444	118.4	91.2	1995
4/23/04 13:55	736	882	19.7	1442	118.4	91.4	2009
4/23/04 14:00	733	888	19.3	1438	118.6	91.1	2020
4/23/04 14:05	726	887	19.4	1441	118.6	91.4	2013
4/23/04 14:10	735	896	18.8	1439	118.7	91.7	2045
4/23/04 14:15	726	893	19.2	1442	118.8	91.8	2016
4/23/04 14:20	733	887	19.3	1437	118.8	91.7	2030
4/23/04 14:25	724	889	19	1444	118.9	92.1	2026
4/23/04 14:30	724	890	19.2	1438	119	92.3	2047
4/23/04 14:35	726	878	19.6	1434	119.1	92.2	2009
4/23/04 14:40	727	879	19.5	1437	119.2	92.2	2051
4/23/04 14:45	729	881	19.4	1441	119.2	92.3	2005
4/23/04 14:50	719	887	19.2	1441	119.1	92.2	2034
4/23/04 14:55	724	895	18.7	1442	119.1	92.5	2020
4/23/04 15:00	729	879	19.1	1444	119.3	92.2	2045
4/23/04 15:05	745	896	18.9	1439	119.4	92.2	2020
4/23/04 15:10	733	890	19	1440	119.4	92.5	2026
4/23/04 15:15	735	893	19	1444	119.5	92.5	2013
4/23/04 15:20	724	903	18.6	1443	119.5	92.6	2040
4/23/04 15:25	715	894	19.1	1439	119.5	92.6	2024
4/23/04 15:30	718	892	19.5	1435	119.5	92.4	2020
4/23/04 15:35	726	887	19.2	1440	119.6	92.4	2016
4/23/04 15:40	726	887	19.1	1437	119.6	92.6	2026
4/23/04 15:45	724	892	19.2	1437	119.6	92.8	2045
4/23/04 15:50	714	890	19.3	1442	119.5	92.7	2024
4/23/04 15:55	716	898	18.8	1441	119.6	92.4	2016
4/23/04 16:00	729	890	18.9	1446	119.6	92.4	2026
4/23/04 16:05	717	898	18.8	1441	119.6	92.5	2026
4/23/04 16:10	718	887	19.3	1439	119.7	92.4	2036

4/23/04 16:15	731	894	18.8	1442	119.7	92.4	2024
4/23/04 16:20	729	881	19.4	1439	119.7	92.3	2040
4/23/04 16:25	722	888	19.3	1442	119.6	92.4	2030
4/23/04 16:30	716	894	18.8	1441	119.6	92.4	2013
4/23/04 16:35	720	894	18.8	1441	119.6	92.3	2036
4/23/04 16:40	714	894	18.8	1441	119.6	92.1	2055
4/23/04 16:45	716	883	19.2	1439	119.5	92.1	2036
4/23/04 16:50	733	894	19.1	1443	119.5	92.1	2026
4/23/04 16:55	724	893	19.1	1442	119.5	92.1	2051
4/23/04 17:00	720	884	19.4	1444	119.5	92	2034
4/23/04 17:05	727	887	19.3	1439	119.5	92.1	2040
4/23/04 17:10	728	884	19.4	1438	119.4	92	2024
4/23/04 17:15	722	888	19	1443	119.4	92.3	2040
4/23/04 17:20	720	893	19	1443	119.3	92.1	2030
4/23/04 17:25	723	897	19	1441	119.3	92.1	2020
4/23/04 17:30	722	880	19.5	1439	119.3	92	2047
4/23/04 17:35	728	879	19.4	1435	119.3	92	2024
4/23/04 17:40	724	887	19	1444	119.3	91.8	2030
4/23/04 17:45	724	889	19.4	1441	119.2	92	2034
4/23/04 17:50	729	887	19.3	1444	119.1	92	2045
4/23/04 17:55	733	901	18.9	1439	119.1	91.8	2016
4/23/04 18:00	733	884	19.5	1439	119	91.8	2055
4/23/04 18:05	721	887	19.3	1441	118.9	91.8	2055
4/23/04 18:10	724	891	19.1	1442	118.8	91.9	2036
4/23/04 18:15	722	890	19	1441	118.8	91.6	2055
4/23/04 18:20	718	895	18.9	1442	118.7	91.6	2040
4/23/04 18:25	720	891	19.2	1442	118.5	91.6	2045
4/23/04 18:30	723	897	19	1444	118.5	91.6	2055
4/23/04 18:35	727	900	18.8	1448	118.4	91.5	2051
4/23/04 18:40	720	897	19.1	1442	118.3	91.6	2051
4/23/04 18:45	719	891	18.8	1443	118.1	91.4	2047
4/23/04 18:50	729	896	18.9	1446	118	91.3	2030
4/23/04 18:55	727	883	19.2	1446	117.9	91.2	2036
4/23/04 19:00	721	903	18.7	1448	117.7	91.2	2030
4/23/04 19:05	721	894	19.1	1442	117.6	91.1	2036
4/23/04 19:10	727	893	18.8	1442	117.5	91	2020
4/23/04 19:15	731	894	19.1	1444	117.4	90.8	2078
4/23/04 19:20	718	894	19.4	1442	117.3	90.8	2047
4/23/04 19:25	720	892	19.2	1440	117.2	90.7	2034
4/23/04 19:30	728	881	19.8	1444	117.1	90.6	2040
4/23/04 19:35	719	883	19.3	1444	116.9	90.6	2045
4/23/04 19:40	721	896	19	1447	116.9	90.6	2051
4/23/04 19:45	726	887	19.1	1443	116.9	90.6	2030
4/23/04 19:50	727	896	19.3	1441	116.7	90.5	2026
4/23/04 19:55	728	893	19.4	1443	116.6	90.4	2045
4/23/04 20:00	719	900	19	1450	116.5	90.2	2036
4/23/04 20:05	721	898	18.9	1450	116.4	90.4	2045
4/23/04 20:10	729	887	19.3	1442	116.3	90.2	2034
4/23/04 20:15	726	900	19.2	1450	116.2	90.1	2045
4/23/04 20:20	722	903	18.8	1447	116.1	89.9	2034
4/23/04 20:25	724	900	18.9	1446	116	89.9	2030
4/23/04 20:30	714	895	19.3	1446	115.9	89.9	2065
4/23/04 20:35	722	891	19.4	1448	115.8	89.7	2034
4/23/04 20:40	721	903	19	1448	115.6	89.7	2026
4/23/04 20:45	726	901	19.2	1444	115.5	89.7	2045
4/23/04 20:50	733	898	19.1	1451	115.4	89.5	2051
4/23/04 20:55	724	889	19.3	1448	115.2	89.5	2024
4/23/04 21:00	722	896	19	1453	115.1	89.4	2047
4/23/04 21:05	726	895	19.4	1447	115	89.3	2047
4/23/04 21:10	724	896	19.1	1453	115	89.4	2034
4/23/04 21:15	711	900	19.3	1444	114.9	89.2	2061

4/23/04 21:20	720	898	19.3	1446	114.9	89.1	2036
4/23/04 21:25	729	902	19.2	1452	114.7	89.1	2009
4/23/04 21:30	720	888	19.6	1446	114.6	89	2045
4/23/04 21:35	722	900	19.4	1448	114.5	89	2055
4/23/04 21:40	721	894	19.2	1448	114.3	88.7	2065
4/23/04 21:45	724	894	19.1	1451	114.1	88.8	2065
4/23/04 21:50	721	907	19	1453	114.1	88.8	2030
4/23/04 21:55	721	896	19	1451	114.1	88.8	2045
4/23/04 22:00	724	904	19	1453	114	88.6	2047
4/23/04 22:05	724	912	18.8	1450	113.9	88.4	2061
4/23/04 22:10	717	902	19.1	1450	113.8	88.4	2045
4/23/04 22:15	714	900	19.3	1451	113.7	88.5	2036
4/23/04 22:20	729	913	18.6	1447	113.6	88.3	2034
4/23/04 22:25	719	899	19.4	1452	113.5	88.3	2030
4/23/04 22:30	718	881	20.1	1443	113.4	88.2	2047
4/23/04 22:35	727	905	19	1450	113.4	88.1	2045
4/23/04 22:40	727	907	18.9	1453	113.3	88.1	2047
4/23/04 22:45	723	891	19.8	1448	113.2	88	2024
4/23/04 22:50	723	901	19.2	1450	113	87.9	2051
4/23/04 22:55	723	898	19.4	1446	112.9	87.9	2051
4/23/04 23:00	727	896	19.1	1452	112.7	87.7	2030
4/23/04 23:05	723	893	19.4	1450	112.6	87.7	2047
4/23/04 23:10	715	898	19.2	1448	112.5	87.5	2045
4/23/04 23:15	722	898	19.5	1450	112.4	87.7	2047
4/23/04 23:20	721	909	18.7	1453	112.4	87.4	2076
4/23/04 23:25	717	894	19.6	1448	112.4	87.4	2045
4/23/04 23:30	716	898	19.3	1448	112.3	87.3	2067
4/23/04 23:35	720	895	19.3	1450	112.3	87.4	2026
4/23/04 23:40	715	899	19.1	1448	112.2	87.1	2034
4/23/04 23:45	719	900	19.3	1447	112.2	87.2	2047
4/23/04 23:50	727	904	19.2	1451	112.1	87.2	2067
4/23/04 23:55	719	902	19.2	1453	112.1	87.1	2067
4/24/04 0:00	716	898	19.3	1451	111.9	86.8	2034
4/24/04 0:05	721	898	19.4	1448	111.7	86.9	2047
4/24/04 0:10	727	890	19.5	1452	111.7	86.8	2065
4/24/04 0:15	717	902	19.1	1448	111.7	86.8	2045
4/24/04 0:20	724	902	19.4	1453	111.6	86.7	2051
4/24/04 0:25	718	901	19.3	1447	111.6	86.8	2047
4/24/04 0:30	723	902	19.3	1450	111.4	86.6	2045
4/24/04 0:35	720	898	19.3	1448	111.3	86.6	2034
4/24/04 0:40	723	896	19.4	1453	111.3	86.5	2065
4/24/04 0:45	709	904	19.3	1455	111.3	86.5	2045
4/24/04 0:50	716	906	19.1	1453	111.2	86.3	2047
4/24/04 0:55	726	918	19	1452	111.1	86.4	2072
4/24/04 1:00	721	900	19.7	1452	111.2	86.3	2040
4/24/04 1:05	715	911	18.9	1456	111.1	86.3	2061
4/24/04 1:10	719	912	18.7	1456	111	86.1	2051
4/24/04 1:15	715	898	19.4	1456	110.7	86.1	2061
4/24/04 1:20	718	909	19.1	1455	110.7	86.1	2076
4/24/04 1:25	727	907	19	1455	110.7	86	2051
4/24/04 1:30	727	909	18.8	1455	110.7	86	2055
4/24/04 1:35	712	901	19.3	1453	110.7	86	2024
4/24/04 1:40	714	909	19.1	1453	110.6	85.8	2067
4/24/04 1:45	722	907	19.1	1453	110.5	85.8	2061
4/24/04 1:50	718	898	19.6	1457	110.6	85.9	2036
4/24/04 1:55	707	898	19.7	1452	110.4	85.7	2051
4/24/04 2:00	720	898	19.6	1454	110.3	85.7	2067
4/24/04 2:05	720	903	19.3	1451	110.2	85.5	2036
4/24/04 2:10	724	903	19	1454	110.1	85.5	2047
4/24/04 2:15	724	911	19.1	1453	110.1	85.5	2078
4/24/04 2:20	714	909	19.2	1448	110	85.5	2065

4/24/04 2:25	728	907	19.2	1455	109.9	85.4	2082
4/24/04 2:30	724	904	19.4	1452	109.9	85.4	2047
4/24/04 2:35	718	912	18.9	1455	109.7	85.1	2034
4/24/04 2:40	724	901	19.4	1453	109.7	85.3	2030
4/24/04 2:45	719	906	19.4	1453	109.7	85.4	2065
4/24/04 2:50	717	898	19.7	1453	109.7	85.2	2024
4/24/04 2:55	717	907	19.4	1456	109.6	85	2036
4/24/04 3:00	713	903	19.4	1457	109.7	85.1	2045
4/24/04 3:05	719	893	19.7	1456	109.6	85.1	2024
4/24/04 3:10	723	901	19.5	1452	109.6	85.1	2051
4/24/04 3:15	717	903	19.4	1454	109.5	84.9	2051
4/24/04 3:20	719	906	19.7	1455	109.4	84.9	2051
4/24/04 3:25	720	894	19.9	1450	109.5	84.9	2036
4/24/04 3:30	721	914	19.2	1455	109.5	85	2067
4/24/04 3:35	717	917	19.1	1458	109.3	84.9	2065
4/24/04 3:40	721	899	19.7	1455	109.2	84.7	2036
4/24/04 3:45	718	888	20.2	1453	109.2	84.9	2082
4/24/04 3:50	727	898	19.7	1456	109.2	84.8	2045
4/24/04 3:55	727	904	19.3	1452	109.5	85	2045
4/24/04 4:00	724	909	19.2	1455	109.6	84.9	2030
4/24/04 4:05	724	914	19.2	1461	109.7	85	2051
4/24/04 4:10	713	905	19.5	1455	109.9	85	2047
4/24/04 4:15	735	893	19.9	1453	109.9	85	2072
4/24/04 4:20	727	912	19.4	1452	110	85	2040
4/24/04 4:25	721	891	19.9	1446	109.9	85	2040
4/24/04 4:30	724	911	19.4	1453	109.9	85.2	2051
4/24/04 4:35	731	899	19.5	1459	109.9	85	2040
4/24/04 4:40	723	903	19.3	1453	109.8	85.1	2047
4/24/04 4:45	729	898	19.6	1454	109.7	85.1	2047
4/24/04 4:50	722	900	19.6	1457	109.6	85	2030
4/24/04 4:55	729	907	19.4	1455	109.6	84.7	2040
4/24/04 5:00	727	900	19.7	1455	109.5	84.5	2076
4/24/04 5:05	727	898	19.6	1455	109.4	84.3	2055
4/24/04 5:10	733	888	20.1	1452	109.3	84.1	2061
4/24/04 5:15	736	909	19.3	1455	109.1	84.2	2051
4/24/04 5:20	724	906	19.5	1452	109	84	2061
4/24/04 5:25	727	913	19.3	1459	109	83.9	2076
4/24/04 5:30	726	912	19.6	1453	108.9	83.9	2055
4/24/04 5:35	728	912	19.4	1457	108.9	83.7	2061
4/24/04 5:40	714	899	19.6	1455	108.8	84	2072
4/24/04 5:45	712	895	19.8	1455	108.8	83.6	2067
4/24/04 5:50	729	913	19.4	1454	108.8	83.6	2088
4/24/04 5:55	728	911	19.4	1457	108.8	83.7	2067
4/24/04 6:00	737	903	19.7	1458	108.6	83.5	2061
4/24/04 6:05	714	900	19.7	1458	108.6	83.5	2047
4/24/04 6:10	724	903	19.7	1455	108.6	83.4	2047
4/24/04 6:15	728	909	19.5	1462	108.5	83.5	2061
4/24/04 6:20	720	915	19.2	1458	108.6	83.5	2036
4/24/04 6:25	724	907	19.4	1456	108.6	83.4	2040
4/24/04 6:30	726	913	19.3	1457	108.6	83.5	2076
4/24/04 6:35	731	911	19.4	1458	108.6	83.6	2047
4/24/04 6:40	727	898	19.9	1448	108.8	83.5	2045
4/24/04 6:45	729	909	19.4	1457	108.8	83.8	2047
4/24/04 6:50	736	903	19.6	1453	108.9	83.8	2045
4/24/04 6:55	729	898	19.8	1456	109	83.8	2065
4/24/04 7:00	735	900	19.9	1453	109.1	83.7	2061
4/24/04 7:05	733	898	19.9	1448	109.1	84	2055
4/24/04 7:10	729	911	19.3	1455	109.3	84	2051
4/24/04 7:15	731	898	19.6	1453	109.3	84	2072
4/24/04 7:20	729	904	19.7	1454	109.4	83.8	2067
4/24/04 7:25	727	911	19.3	1450	109.4	84	2055

4/24/04 7:30	731	895	20	1457	109.5	83.9	2047
4/24/04 7:35	738	906	19.4	1456	109.6	84.1	2076
4/24/04 7:40	733	911	19.3	1455	109.7	83.9	2076
4/24/04 7:45	736	912	19.3	1453	109.7	83.8	2084
4/24/04 7:50	739	902	19.6	1448	109.8	83.9	2061
4/24/04 7:55	729	907	19.6	1451	110	84	2047
4/24/04 8:00	734	918	19.1	1453	110	84.4	2055
4/24/04 8:05	735	907	19.6	1453	110.2	84.4	2065
4/24/04 8:10	733	907	19.4	1451	110.2	84.4	2072
4/24/04 8:15	742	899	19.6	1456	110.3	84.7	2055
4/24/04 8:20	749	911	19.2	1452	110.4	84.6	2067
4/24/04 8:25	740	900	19.4	1457	110.5	84.6	2076
4/24/04 8:30	742	909	18.9	1455	110.5	84.6	2040
4/24/04 8:35	743	900	19.6	1456	110.6	84.6	2076
4/24/04 8:40	743	903	19.4	1452	110.7	84.7	2088
4/24/04 8:45	741	900	19.4	1452	110.7	84.7	2061
4/24/04 8:50	733	900	19.4	1448	110.7	85.1	2047
4/24/04 8:55	742	903	19.3	1455	110.9	85	2067
4/24/04 9:00	734	890	19.5	1450	111	85	2078
4/24/04 9:05	731	901	19.4	1451	111.1	85.1	2047
4/24/04 9:10	738	912	19.1	1450	111.2	85.5	2051
4/24/04 9:15	738	894	19.7	1448	111.2	85.3	2078
4/24/04 9:20	736	906	19.4	1453	111.3	85.3	2065
4/24/04 9:25	735	903	19.1	1456	111.3	85.2	2047
4/24/04 9:30	741	905	19.1	1453	111.4	85.4	2055
4/24/04 9:35	744	902	19.4	1448	111.5	85.5	2067
4/24/04 9:40	741	915	18.9	1456	111.7	85.4	2030
4/24/04 9:45	733	899	20.1	1448	111.7	85.6	2072
4/24/04 9:50	740	903	19.5	1448	111.9	85.8	2034
4/24/04 9:55	744	906	19.5	1448	111.9	86.2	2061
4/24/04 10:00	742	907	19.1	1452	111.9	86.1	2040
4/24/04 10:05	726	909	19.3	1453	112.1	86.3	2084
4/24/04 10:10	733	901	19.4	1446	112.2	86.5	2067
4/24/04 10:15	742	907	19.1	1450	112.3	86.5	2051
4/24/04 10:20	740	901	19.5	1447	112.4	86.7	2045
4/24/04 10:25	733	913	18.9	1450	112.5	86.5	2067
4/24/04 10:30	745	899	19.6	1450	112.7	86.7	2047
4/24/04 10:35	747	903	19.4	1455	112.7	86.7	2045
4/24/04 10:40	735	905	19.3	1453	112.8	86.9	2055
4/24/04 10:45	743	909	19.1	1450	113	87.2	2065
4/24/04 10:50	743	904	19.3	1446	113.1	86.9	2026
4/24/04 10:55	737	900	19.3	1453	113.3	87.2	2051
4/24/04 11:00	729	911	19.1	1448	113.3	87	2051
4/24/04 11:05	736	909	19.1	1448	113.3	87.2	2045
4/24/04 11:10	739	907	19.3	1450	113.4	87.2	2055
4/24/04 11:15	742	901	19.1	1458	113.4	87.3	2061
4/24/04 11:20	734	900	19.2	1444	113.6	87.5	2072
4/24/04 11:25	741	902	19.4	1448	113.7	87.5	2067
4/24/04 11:30	740	907	19.1	1451	113.6	87.5	2045
4/24/04 11:35	733	892	19.6	1450	113.7	87.8	2051
4/24/04 11:40	733	902	19.3	1444	113.8	87.6	2092
4/24/04 11:45	737	900	19.1	1450	113.9	87.8	2076
4/24/04 11:50	736	909	19.1	1448	114	87.8	2051
4/24/04 11:55	740	894	19.6	1442	114.1	87.8	2047
4/24/04 12:00	743	909	19	1451	114.3	87.9	2036
4/24/04 12:05	741	903	19.2	1441	114.3	87.9	2072
4/24/04 12:10	736	898	19.5	1448	114.4	87.8	2047
4/24/04 12:15	744	896	19.6	1446	114.4	88	2078
4/24/04 12:20	744	907	18.8	1444	114.5	88.2	2061
4/24/04 12:25	731	898	19.4	1450	114.4	88.2	2030
4/24/04 12:30	745	901	19.2	1448	114.3	88	2047

4/24/04 12:35	747	906	19	1451	114.3	88	2051
4/24/04 12:40	742	905	19.1	1444	114.3	88.1	2067
4/24/04 12:45	747	898	19.4	1450	114.3	88	2045
4/24/04 12:50	744	905	19	1446	114.1	88	2047
4/24/04 12:55	734	886	19.5	1444	114.1	88.3	2061
4/24/04 13:00	738	903	18.9	1450	114	87.9	2072
4/24/04 13:05	741	899	19.3	1442	114	88	2067
4/24/04 13:10	734	900	19.1	1451	113.9	87.7	2076
4/24/04 13:15	738	889	19.5	1444	113.9	87.9	2061
4/24/04 13:20	739	898	19.2	1444	113.8	88.2	2078
4/24/04 13:25	743	898	19.5	1444	113.7	87.8	2055
4/24/04 13:30	733	900	18.9	1448	113.7	88	2067
4/24/04 13:35	735	909	18.7	1450	113.6	87.8	2061
4/24/04 13:40	740	902	19.1	1446	113.6	87.8	2047
4/24/04 13:45	739	905	19	1450	113.5	87.5	2055
4/24/04 13:50	740	918	18.6	1448	113.5	87.7	2067
4/24/04 13:55	747	902	19.1	1446	113.4	87.8	2067
4/24/04 14:00	750	898	19	1450	113.3	87.6	2034
4/24/04 14:05	741	909	19	1447	113.3	87.9	2065
4/24/04 14:10	749	880	19.9	1442	113.3	87.7	2061
4/24/04 14:15	738	900	19	1446	113.2	87.8	2051
4/24/04 14:20	751	901	18.9	1448	113.1	87.8	2067
4/24/04 14:25	755	893	19.6	1447	113.2	87.7	2030
4/24/04 14:30	750	915	18.7	1450	113	87.7	2067
4/24/04 14:35	745	904	18.9	1446	113	87.5	2055
4/24/04 14:40	739	900	19.4	1444	112.8	87.4	2082
4/24/04 14:45	740	898	19.1	1448	112.9	87.4	2076
4/24/04 14:50	743	909	19	1453	112.8	87.6	2051
4/24/04 14:55	741	907	18.8	1447	112.8	87.4	2061
4/24/04 15:00	735	899	19	1450	112.8	87.5	2055
4/24/04 15:05	734	905	19	1446	112.7	87.3	2065
4/24/04 15:10	742	897	19.3	1450	112.7	87.3	2067
4/24/04 15:15	746	897	19.1	1442	112.5	87.2	2078
4/24/04 15:20	749	893	19.8	1448	112.6	87.1	2047
4/24/04 15:25	741	883	19.6	1444	112.6	87.2	2082
4/24/04 15:30	746	895	19.4	1447	112.5	87	2082
4/24/04 15:35	743	902	19	1442	112.4	87.2	2082
4/24/04 15:40	747	886	19.6	1444	112.4	87.1	2065
4/24/04 15:45	740	907	18.9	1442	112.3	86.9	2072
4/24/04 15:50	744	902	18.9	1450	112.2	86.8	2067
4/24/04 15:55	746	899	19	1446	112.2	86.9	2099
4/24/04 16:00	755	900	19.2	1446	112.1	86.9	2082
4/24/04 16:05	745	907	18.8	1450	111.9	86.7	2084
4/24/04 16:10	745	909	18.9	1448	111.8	86.5	2051
4/24/04 16:15	751	902	19.2	1448	111.7	86.5	2076
4/24/04 16:20	741	909	18.7	1451	111.6	86.5	2061
4/24/04 16:25	742	905	18.6	1444	111.4	86.2	2076
4/24/04 16:30	747	907	18.9	1448	111.3	86.1	2055
4/24/04 16:35	743	911	19	1446	111.2	86.1	2065
4/24/04 16:40	744	905	18.9	1448	111.2	86.2	2051
4/24/04 16:45	744	903	19.1	1446	111.2	86	2084
4/24/04 16:50	742	901	19.6	1446	111.1	86	2082
4/24/04 16:55	733	913	18.9	1451	111.1	86.1	2072
4/24/04 17:00	743	911	18.8	1447	111.1	86.1	2078
4/24/04 17:05	743	900	19	1450	111	85.8	2061
4/24/04 17:10	744	903	19	1446	111	86.1	2092
4/24/04 17:15	747	898	19.1	1450	110.9	85.8	2078
4/24/04 17:20	741	905	18.9	1448	110.8	85.7	2067
4/24/04 17:25	740	909	18.8	1447	110.7	85.6	2072
4/24/04 17:30	746	907	18.8	1450	110.7	85.5	2067
4/24/04 17:35	736	903	19.1	1450	110.7	85.6	2099

4/24/04 17:40	744	893	19.4	1448	110.7	85.4	2034
4/24/04 17:45	743	912	18.7	1446	110.6	85.3	2051
4/24/04 17:50	742	903	18.9	1450	110.6	85.2	2082
4/24/04 17:55	744	895	19.4	1445	110.5	85.3	2061
4/24/04 18:00	743	901	19.2	1446	110.5	85.2	2055
4/24/04 18:05	743	900	19.1	1446	110.5	85.1	2078
4/24/04 18:10	748	913	18.7	1450	110.4	85.1	2061
4/24/04 18:15	733	913	18.5	1445	110.4	85.1	2078
4/24/04 18:20	745	903	18.8	1445	110.3	85.1	2067
4/24/04 18:25	747	904	19	1448	110.2	85	2082
4/24/04 18:30	745	901	19	1442	110.2	85	2092
4/24/04 18:35	755	911	18.8	1448	110.2	84.8	2061
4/24/04 18:40	750	903	19.1	1454	110.2	84.9	2072
4/24/04 18:45	755	906	18.9	1450	110.2	84.9	2051
4/24/04 18:50	747	888	19.8	1444	110.2	84.9	2040
4/24/04 18:55	751	904	18.9	1442	110.2	84.9	2067
4/24/04 19:00	748	905	19	1451	110.1	84.9	2078
4/24/04 19:05	740	898	19.1	1448	110.1	85	2076
4/24/04 19:10	746	901	19.1	1445	110.1	85	2061
4/24/04 19:15	743	899	18.8	1448	110.1	84.7	2082
4/24/04 19:20	744	903	19	1448	110.2	84.7	2067
4/24/04 19:25	737	900	19.1	1450	110.2	84.7	2061
4/24/04 19:30	752	903	19.2	1452	110.2	84.6	2055
4/24/04 19:35	744	903	19	1442	110.3	84.6	2065
4/24/04 19:40	743	887	19.5	1442	110.4	84.6	2061
4/24/04 19:45	744	894	19.3	1445	110.4	84.6	2055
4/24/04 19:50	744	896	19.5	1444	110.3	84.5	2034
4/24/04 19:55	740	909	18.8	1450	110.4	84.6	2055
4/24/04 20:00	738	905	19	1448	110.5	84.6	2082
4/24/04 20:05	755	899	19.3	1446	110.5	84.5	2067
4/24/04 20:10	746	907	19.1	1445	110.5	84.5	2084
4/24/04 20:15	754	899	19.1	1446	110.6	84.5	2082
4/24/04 20:20	751	904	18.9	1446	110.6	84.6	2078
4/24/04 20:25	751	909	19	1452	110.7	84.5	2072
4/24/04 20:30	749	895	19.4	1442	110.6	84.7	2047
4/24/04 20:35	745	914	18.7	1446	110.7	84.7	2061
4/24/04 20:40	751	905	19	1444	110.7	84.7	2078
4/24/04 20:45	748	887	19.8	1443	110.8	84.8	2072
4/24/04 20:50	750	897	19.4	1446	110.8	84.8	2082
4/24/04 20:55	752	895	19.3	1442	110.9	84.7	2051
4/24/04 21:00	749	899	19.2	1444	110.9	84.7	2061
4/24/04 21:05	746	892	19.4	1439	111	84.8	2065
4/24/04 21:10	737	898	19.3	1442	111	85	2061
4/24/04 21:15	761	900	19	1451	111.1	84.9	2065
4/24/04 21:20	743	911	18.8	1446	111.1	85	2047
4/24/04 21:25	751	900	19.3	1444	111.2	85	2082
4/24/04 21:30	741	898	19.3	1444	111.3	85.1	2065
4/24/04 21:35	739	898	19.4	1444	111.3	84.9	2076
4/24/04 21:40	748	902	19.3	1441	111.3	85.1	2072
4/24/04 21:45	744	892	19.5	1441	111.3	85.2	2061
4/24/04 21:50	747	898	19.2	1445	111.3	85.2	2067
4/24/04 21:55	750	888	19.4	1443	111.3	85.1	2055
4/24/04 22:00	748	902	19	1446	111.4	85.1	2078
4/24/04 22:05	749	907	19	1446	111.4	85	2082
4/24/04 22:10	746	902	18.7	1448	111.4	85	2065
4/24/04 22:15	742	887	19.7	1437	111.4	85	2078
4/24/04 22:20	736	881	20.2	1443	111.4	85	2055
4/24/04 22:25	747	893	19.3	1443	111.5	84.9	2078
4/24/04 22:30	740	898	19.1	1448	111.4	84.7	2111
4/24/04 22:35	742	896	19.1	1444	111.4	85	2026
4/24/04 22:40	743	887	19.6	1443	111.4	84.8	2067

4/24/04 22:45	746	894	19.4	1437	111.4	84.7	2076
4/24/04 22:50	746	896	19.5	1441	111.4	84.8	2051
4/24/04 22:55	755	903	19	1444	111.4	84.8	2047
4/24/04 23:00	740	902	19.1	1442	111.4	84.7	2082
4/24/04 23:05	746	887	19.6	1439	111.3	84.7	2072
4/24/04 23:10	747	888	19.7	1443	111.3	84.9	2088
4/24/04 23:15	744	900	19.2	1440	111.3	84.6	2055
4/24/04 23:20	752	903	19	1446	111.4	84.8	2094
4/24/04 23:25	744	898	19.3	1442	111.4	84.7	2051
4/24/04 23:30	747	897	19.4	1444	111.4	84.7	2061
4/24/04 23:35	744	894	19.6	1442	111.3	84.9	2030
4/24/04 23:40	750	903	19.1	1441	111.3	84.6	2055
4/24/04 23:45	744	905	19	1446	111.3	84.7	2047
4/24/04 23:50	734	901	19.1	1441	111.3	84.7	2082
4/24/04 23:55	743	907	19.1	1441	111.2	84.9	2051
4/25/04 0:00	742	894	19.3	1442	111.3	84.7	2061
4/25/04 0:05	741	904	19	1446	111.3	84.8	2061
4/25/04 0:10	741	893	19.3	1440	111.2	84.6	2072
4/25/04 0:15	745	891	19.3	1442	111.2	84.8	2061
4/25/04 0:20	742	891	19.2	1441	111.2	84.6	2036
4/25/04 0:25	744	895	19.2	1443	111.2	84.7	2061
4/25/04 0:30	742	909	19	1438	111.2	84.6	2055
4/25/04 0:35	755	896	19.2	1444	111.3	84.7	2055
4/25/04 0:40	754	887	19.7	1440	111.3	84.9	2047
4/25/04 0:45	746	903	19	1442	111.4	84.9	2072
4/25/04 0:50	748	886	19.5	1442	111.4	84.9	2072
4/25/04 0:55	734	897	19.2	1440	111.4	84.7	2076
4/25/04 1:00	743	896	19.1	1439	111.4	84.9	2040
4/25/04 1:05	749	909	18.8	1438	111.5	84.9	2045
4/25/04 1:10	746	902	19	1440	111.6	84.9	2051
4/25/04 1:15	739	887	19.5	1443	111.6	85	2065
4/25/04 1:20	745	886	19.7	1439	111.7	85	2045
4/25/04 1:25	731	896	19.3	1441	111.7	84.9	2034
4/25/04 1:30	742	887	19.3	1441	111.7	85.1	2061
4/25/04 1:35	738	907	18.8	1445	111.7	85	2055
4/25/04 1:40	744	892	19.4	1441	111.7	84.9	2065
4/25/04 1:45	747	887	19.7	1435	111.7	85	2030
4/25/04 1:50	734	896	19	1435	111.7	84.9	2061
4/25/04 1:55	740	884	19.9	1437	111.7	84.9	2065
4/25/04 2:00	742	892	19	1442	111.7	84.9	2036
4/25/04 2:05	731	893	18.9	1443	111.7	84.9	2036
4/25/04 2:10	740	903	18.9	1442	111.7	85	2047
4/25/04 2:15	737	898	19.1	1440	111.7	84.9	2061
4/25/04 2:20	744	901	18.9	1441	111.8	84.9	2061
4/25/04 2:25	739	891	19.2	1439	111.8	85	2067
4/25/04 2:30	750	892	19.2	1444	111.8	85	2061
4/25/04 2:35	742	899	19.1	1444	111.9	85	2061
4/25/04 2:40	731	888	19.1	1441	111.9	84.9	2040
4/25/04 2:45	742	894	19.3	1437	111.9	84.8	2040
4/25/04 2:50	742	902	19	1441	111.9	84.9	2055
4/25/04 2:55	748	898	18.8	1435	111.9	85	2047
4/25/04 3:00	742	887	19.4	1441	111.9	85	2036
4/25/04 3:05	743	900	19	1442	111.9	85	2040
4/25/04 3:10	735	893	19.2	1439	111.9	84.9	2030
4/25/04 3:15	748	894	19	1441	111.9	85	2034
4/25/04 3:20	743	887	19.3	1437	111.9	85	2055
4/25/04 3:25	740	887	19.5	1435	111.9	85.1	2047
4/25/04 3:30	746	894	19.2	1437	111.9	85.1	2055
4/25/04 3:35	747	897	19.1	1441	112	85	2034
4/25/04 3:40	744	894	19.2	1444	112	84.9	2065
4/25/04 3:45	741	903	19	1437	112	85	2072

4/25/04 3:50	735	899	19	1442	112.1	85	2055
4/25/04 3:55	738	890	19.4	1434	112.1	85.1	2024
4/25/04 4:00	739	893	19.4	1439	112	85	2026
4/25/04 4:05	744	897	19.1	1437	112.1	85.1	2040
4/25/04 4:10	738	886	19.5	1435	112.1	85	2072
4/25/04 4:15	742	894	19.1	1441	112.1	84.9	2045
4/25/04 4:20	747	889	19.2	1440	112.1	84.9	2036
4/25/04 4:25	738	883	19.3	1439	112.1	85.1	2051
4/25/04 4:30	749	897	19.1	1439	112.2	85	2051
4/25/04 4:35	741	874	19.8	1433	112.2	84.9	2047
4/25/04 4:40	740	888	19.1	1440	112.3	85.1	2047
4/25/04 4:45	747	891	19.4	1441	112.4	85.1	2047
4/25/04 4:50	741	900	19	1434	112.4	85	2040
4/25/04 4:55	744	887	19.3	1441	112.5	85.2	2067
4/25/04 5:00	736	890	19.3	1439	112.6	85.4	2034
4/25/04 5:05	746	890	19.4	1444	112.7	85.1	2036
4/25/04 5:10	743	884	19.5	1438	112.7	85	2040
4/25/04 5:15	738	892	19.4	1439	112.8	85.2	2034
4/25/04 5:20	737	887	19.4	1437	112.8	85.1	2045
4/25/04 5:25	737	888	19.3	1438	112.9	85.2	2061
4/25/04 5:30	747	900	18.9	1439	112.9	85.1	2051
4/25/04 5:35	743	892	19.1	1435	112.9	85.2	2040
4/25/04 5:40	744	886	19.6	1435	113	85.1	2034
4/25/04 5:45	748	884	19.6	1434	113.1	85.1	2030
4/25/04 5:50	748	901	19	1432	113.1	85	2034
4/25/04 5:55	731	891	19.4	1433	113.1	85	2030
4/25/04 6:00	743	894	19.4	1435	113.2	85.1	2034
4/25/04 6:05	740	896	19.2	1437	113.3	85.1	2030
4/25/04 6:10	733	896	19.1	1437	113.4	85.1	2034
4/25/04 6:15	737	904	18.9	1435	113.4	85	2040
4/25/04 6:20	729	891	19.4	1439	113.5	85.2	2061
4/25/04 6:25	738	890	19.3	1437	113.5	85.2	2051
4/25/04 6:30	737	886	19.5	1437	113.5	85.1	2036
4/25/04 6:35	750	892	19.3	1435	113.6	85.2	2047
4/25/04 6:40	742	896	19	1440	113.6	85	2067
4/25/04 6:45	742	895	19.2	1435	113.6	85.2	2061
4/25/04 6:50	745	894	19.3	1435	113.7	85	2026
4/25/04 6:55	741	894	19.2	1435	113.8	85.3	2051
4/25/04 7:00	744	888	19.5	1437	113.8	85.2	2045
4/25/04 7:05	745	902	18.9	1431	113.9	85.3	2065
4/25/04 7:10	737	894	19.3	1435	114	85.2	2061
4/25/04 7:15	734	896	19.2	1439	114	85	2045
4/25/04 7:20	744	902	18.8	1435	114.1	85.2	2051
4/25/04 7:25	747	900	18.7	1433	114.1	85.4	2034
4/25/04 7:30	741	889	19.3	1434	114.1	85.2	2047
4/25/04 7:35	746	888	19.2	1434	114.3	85.2	2034
4/25/04 7:40	741	892	19.3	1435	114.3	85.5	2040
4/25/04 7:45	755	887	19.5	1433	114.4	85.4	2051
4/25/04 7:50	746	896	19.4	1437	114.4	85.1	2030
4/25/04 7:55	749	895	19	1435	114.5	85.4	2034
4/25/04 8:00	743	890	19.3	1442	114.5	85.5	2055
4/25/04 8:05	745	889	19.5	1430	114.5	85.3	2034
4/25/04 8:10	745	900	18.9	1433	114.5	85.6	2047
4/25/04 8:15	741	883	19.6	1433	114.6	85.4	2040
4/25/04 8:20	749	879	19.8	1434	114.6	85.5	2051
4/25/04 8:25	735	896	19	1441	114.6	85.4	2076
4/25/04 8:30	754	890	19.7	1431	114.6	85.4	2034
4/25/04 8:35	748	898	19.1	1437	114.7	85.3	2065
4/25/04 8:40	742	884	19.4	1433	114.7	85.4	2078
4/25/04 8:45	741	878	19.8	1426	114.9	85.4	2040
4/25/04 8:50	744	894	19.2	1437	114.9	85.5	2061

4/25/04 8:55	741	891	19.2	1440	114.9	85.5	2026
4/25/04 9:00	743	900	19.1	1435	114.8	85.6	2047
4/25/04 9:05	741	883	19.6	1433	114.7	85.6	2026
4/25/04 9:10	749	887	19.4	1434	114.7	85.6	2061
4/25/04 9:15	741	890	19.7	1435	114.6	85.6	2067
4/25/04 9:20	748	891	19.5	1438	114.7	85.5	2051
4/25/04 9:25	739	889	19.4	1433	114.6	85.2	2020
4/25/04 9:30	745	891	19.2	1433	114.6	85.6	2067
4/25/04 9:35	743	903	19.2	1437	114.6	85.3	2072
4/25/04 9:40	746	903	19	1439	114.6	85.2	2030
4/25/04 9:45	729	891	19.4	1435	114.6	85.2	2065
4/25/04 9:50	749	900	19.1	1437	114.7	85.6	2034
4/25/04 9:55	750	894	19.2	1431	114.8	85.4	2045
4/25/04 10:00	744	895	19.5	1435	114.7	85.5	2055
4/25/04 10:05	741	900	19	1439	114.7	85.1	2036
4/25/04 10:10	746	896	19.3	1441	114.7	85.1	2051
4/25/04 10:15	748	879	20	1438	114.7	85.4	2047
4/25/04 10:20	747	891	19.8	1433	114.7	85.4	2047
4/25/04 10:25	749	904	19.2	1433	114.7	85.2	2047
4/25/04 10:30	741	898	18.8	1435	114.7	85.4	2026
4/25/04 10:35	747	906	18.9	1434	114.7	85.2	2051
4/25/04 10:40	755	897	19.2	1434	114.7	85.2	2067
4/25/04 10:45	738	892	19.4	1433	114.8	85.2	2061
4/25/04 10:50	750	889	19.4	1435	114.8	85.2	2045
4/25/04 10:55	744	893	19.4	1441	114.8	85.6	2055
4/25/04 11:00	745	898	19.4	1435	114.7	85.2	2036
4/25/04 11:05	746	889	19.4	1440	114.8	85.2	2034
4/25/04 11:10	751	883	19.5	1439	114.7	85.2	2055
4/25/04 11:15	748	894	19.3	1441	114.7	85.3	2072
4/25/04 11:20	740	900	19.4	1441	114.6	85.2	2076
4/25/04 11:25	747	883	19.6	1433	114.6	85.4	2076
4/25/04 11:30	744	900	19.4	1435	114.6	85.6	2061
4/25/04 11:35	745	884	19.9	1435	114.6	85.3	2067
4/25/04 11:40	747	898	19	1441	114.5	85.2	2061
4/25/04 11:45	755	897	19.3	1437	114.4	85.1	2045
4/25/04 11:50	752	894	19.4	1439	114.3	85	2061
4/25/04 11:55	746	896	19.4	1435	114.3	85	2045
4/25/04 12:00	749	890	19.7	1433	114.1	85	2061
4/25/04 12:05	750	894	19.6	1435	114	85.1	2067
4/25/04 12:10	745	900	19.3	1440	114.1	85.1	2065
4/25/04 12:15	746	896	19.3	1437	114	85.2	2036
4/25/04 12:20	743	898	19.2	1435	114	85.4	2076
4/25/04 12:25	747	889	19.7	1430	114.1	85.2	2030
4/25/04 12:30	744	896	19.2	1433	114.1	85.1	2036
4/25/04 12:35	754	898	19.4	1440	114.1	85.2	2047
4/25/04 12:40	741	894	19.5	1435	114.1	85.1	2065
4/25/04 12:45	754	900	19.3	1437	114.1	85.1	2051
4/25/04 12:50	744	884	19.4	1434	114.1	85.2	2072
4/25/04 12:55	749	892	19.3	1439	114.1	85.1	2045
4/25/04 13:00	742	896	19.3	1441	114.1	85.2	2061
4/25/04 13:05	758	887	19.4	1441	114.1	85.2	2036
4/25/04 13:10	752	901	19.4	1430	114	85.1	2051
4/25/04 13:15	747	894	19.4	1437	114	85.2	2040
4/25/04 13:20	747	894	19.3	1442	113.9	85.1	2061
4/25/04 13:25	747	900	19.3	1438	113.7	85	2061
4/25/04 13:30	755	890	19.7	1435	113.5	84.7	2072
4/25/04 13:35	747	887	19.6	1435	113.4	84.7	2072
4/25/04 13:40	744	899	19.4	1437	113.3	84.9	2045
4/25/04 13:45	743	892	19.6	1435	113.2	84.8	2055
4/25/04 13:50	748	897	19.3	1434	113.2	84.7	2076
4/25/04 13:55	740	887	19.6	1439	113.2	84.9	2051

4/25/04 14:00	751	900	19.5	1437	113.2	84.7	2072
4/25/04 14:05	744	893	19.5	1437	113.2	84.9	2061
4/25/04 14:10	745	903	19.1	1437	113.2	84.8	2055
4/25/04 14:15	748	909	18.9	1438	113.2	84.7	2061
4/25/04 14:20	743	902	19.2	1441	113.2	84.5	2047
4/25/04 14:25	750	890	19.7	1440	113.1	84.6	2076
4/25/04 14:30	749	906	19.2	1439	113	84.6	2047
4/25/04 14:35	744	889	19.6	1433	113	85	2045
4/25/04 14:40	745	893	19.5	1437	113	84.5	2051
4/25/04 14:45	743	886	19.6	1437	113	84.6	2072
4/25/04 14:50	750	887	19.4	1437	113.1	84.9	2045
4/25/04 14:55	737	892	19.5	1435	113.2	84.7	2047
4/25/04 15:00	748	883	19.6	1437	113.3	84.9	2026
4/25/04 15:05	751	890	19.4	1440	113.3	85	2016
4/25/04 15:10	754	896	19.6	1439	113.4	85	2045
4/25/04 15:15	751	890	19.5	1441	113.4	84.8	2065
4/25/04 15:20	744	894	19.4	1439	113.5	85.1	2061
4/25/04 15:25	749	883	19.9	1433	113.5	85.1	2084
4/25/04 15:30	748	898	19.1	1439	113.5	84.8	2040
4/25/04 15:35	748	897	19.4	1441	113.4	84.9	2076
4/25/04 15:40	755	887	19.9	1435	113.4	84.7	2051
4/25/04 15:45	755	905	19.1	1437	113.3	84.9	2047
4/25/04 15:50	744	892	19.5	1439	113.2	84.8	2055
4/25/04 15:55	743	890	19.5	1440	113.2	84.6	2061
4/25/04 16:00	746	896	19.3	1437	113.2	84.7	2092
4/25/04 16:05	739	896	19.4	1442	113	84.9	2055
4/25/04 16:10	746	884	19.9	1437	113	84.9	2055
4/25/04 16:15	750	878	19.9	1433	112.9	85	2045
4/25/04 16:20	755	898	19.2	1441	112.8	84.9	2040
4/25/04 16:25	762	895	19.4	1445	112.8	84.8	2040
4/25/04 16:30	750	891	19.7	1435	112.7	84.9	2067
4/25/04 16:35	747	901	19.3	1439	112.6	84.8	2088
4/25/04 16:40	754	890	19.6	1437	112.5	84.9	2072
4/25/04 16:45	744	891	19.6	1442	112.4	84.8	2076
4/25/04 16:50	744	898	19.2	1441	112.4	85	2067
4/25/04 16:55	741	893	19.5	1446	112.3	84.7	2072
4/25/04 17:00	759	901	19	1442	112.3	84.9	2076
4/25/04 17:05	742	883	19.6	1441	112.2	84.7	2036
4/25/04 17:10	747	889	19.6	1440	112.1	84.7	2065
4/25/04 17:15	754	893	19.8	1437	112.1	84.9	2067
4/25/04 17:20	751	890	19.6	1444	112.1	84.6	2072
4/25/04 17:25	750	907	18.9	1442	112.1	84.8	2055
4/25/04 17:30	754	896	19.5	1444	112.1	84.7	2076
4/25/04 17:35	745	906	19.2	1437	112.1	84.7	2061
4/25/04 17:40	752	892	19.4	1442	112.1	85	2067
4/25/04 17:45	756	896	19.6	1437	112.1	84.9	2055
4/25/04 17:50	748	892	19.3	1443	112.1	84.7	2045
4/25/04 17:55	750	900	19.3	1443	112.1	84.8	2065
4/25/04 18:00	757	884	20	1437	112.1	85	2076
4/25/04 18:05	751	900	19.1	1445	112	84.9	2084
4/25/04 18:10	749	902	19.1	1447	111.9	84.6	2065
4/25/04 18:15	748	895	19.5	1444	111.9	84.6	2036
4/25/04 18:20	745	895	19.4	1444	111.9	84.6	2076
4/25/04 18:25	749	895	19.3	1441	111.9	84.6	2076
4/25/04 18:30	745	898	19.7	1441	111.9	84.6	2067
4/25/04 18:35	758	892	19.5	1441	111.8	84.5	2082
4/25/04 18:40	749	892	19.5	1446	111.8	84.5	2088
4/25/04 18:45	746	895	19.2	1444	111.8	84.5	2076
4/25/04 18:50	747	896	19.4	1444	111.8	84.4	2076
4/25/04 18:55	754	894	19.4	1445	111.7	84.6	2072
4/25/04 19:00	749	892	19.7	1441	111.6	84.4	2065

4/25/04 19:05	752	894	19.7	1444	111.6	84.4	2036
4/25/04 19:10	750	904	19.4	1444	111.6	84.5	2055
4/25/04 19:15	754	898	19.3	1443	111.6	84.5	2076
4/25/04 19:20	758	894	19.5	1442	111.6	84.6	2078
4/25/04 19:25	751	898	19	1445	111.5	84.4	2094
4/25/04 19:30	755	894	19.4	1446	111.4	84.4	2067
4/25/04 19:35	760	894	19.4	1442	111.4	84.4	2061
4/25/04 19:40	755	901	19.4	1445	111.3	84.4	2072
4/25/04 19:45	755	894	19.6	1442	111.3	84.4	2047
4/25/04 19:50	748	904	19.1	1439	111.3	84.3	2088
4/25/04 19:55	759	891	19.6	1441	111.2	84.2	2088
4/25/04 20:00	749	900	19.1	1441	111.2	84	2061
4/25/04 20:05	762	899	19.3	1446	111.1	84.1	2067
4/25/04 20:10	755	902	19.2	1446	111.1	84.1	2061
4/25/04 20:15	760	901	19	1453	111	84.1	2078
4/25/04 20:20	748	892	19.8	1442	111	84.1	2065
4/25/04 20:25	752	900	19	1450	111	84	2065
4/25/04 20:30	742	906	19.3	1450	110.8	84	2092
4/25/04 20:35	755	901	19.4	1451	110.8	84	2065
4/25/04 20:40	752	898	19.3	1442	110.8	84.1	2072
4/25/04 20:45	750	898	19.5	1442	110.7	84	2067
4/25/04 20:50	749	893	19.6	1450	110.7	83.9	2072
4/25/04 20:55	752	909	19.3	1448	110.6	84.1	2065
4/25/04 21:00	748	898	19.4	1444	110.5	83.7	2076
4/25/04 21:05	751	907	19.1	1446	110.5	83.6	2072
4/25/04 21:10	755	902	19.4	1448	110.5	83.6	2047
4/25/04 21:15	755	898	19.4	1442	110.4	83.6	2034
4/25/04 21:20	758	912	19.3	1446	110.3	83.6	2092
4/25/04 21:25	747	894	19.7	1450	110.3	83.6	2061
4/25/04 21:30	756	911	19	1448	110.2	83.6	2084
4/25/04 21:35	748	899	19.6	1448	110	83.5	2072
4/25/04 21:40	755	894	19.9	1446	110	83.5	2072
4/25/04 21:45	759	903	19.4	1446	110	83.5	2072
4/25/04 21:50	758	901	19.4	1448	110	83.4	2065
4/25/04 21:55	748	907	19.1	1451	110	83.4	2082
4/25/04 22:00	752	900	19.4	1450	109.9	83.3	2082
4/25/04 22:05	743	895	19.7	1448	109.8	83.2	2072
4/25/04 22:10	749	892	19.4	1451	109.7	83.2	2092
4/25/04 22:15	744	907	19.1	1456	109.6	83.2	2051
4/25/04 22:20	757	893	19.9	1450	109.6	83.2	2072
4/25/04 22:25	755	907	19.1	1446	109.5	83.1	2067
4/25/04 22:30	755	912	18.9	1450	109.4	83.2	2051
4/25/04 22:35	751	904	19.5	1444	109.4	83.1	2082
4/25/04 22:40	748	902	19.6	1447	109.3	82.9	2092
4/25/04 22:45	749	901	19.4	1446	109.3	82.9	2099
4/25/04 22:50	750	906	19.3	1445	109.3	82.9	2065
4/25/04 22:55	747	909	19.3	1450	109.2	82.7	2061
4/25/04 23:00	755	897	19.6	1448	109.1	82.9	2082
4/25/04 23:05	760	904	19.4	1442	109.1	82.8	2082
4/25/04 23:10	748	896	19.4	1446	109	82.8	2036
4/25/04 23:15	755	904	19.1	1450	109	82.9	2078
4/25/04 23:20	755	911	18.9	1450	109	82.6	2084
4/25/04 23:25	743	891	19.7	1448	109	82.7	2076
4/25/04 23:30	750	898	19.4	1447	108.9	82.6	2055
4/25/04 23:35	754	909	19.3	1446	108.9	82.7	2067
4/25/04 23:40	748	897	19.8	1446	108.8	82.7	2055
4/25/04 23:45	757	899	19.5	1453	108.8	82.4	2072
4/25/04 23:50	757	899	19.4	1452	108.8	82.4	2082
4/25/04 23:55	759	899	19.6	1451	108.6	82.3	2088
4/26/04 0:00	745	899	19.4	1443	108.6	82.3	2082
4/26/04 0:05	751	897	19.5	1448	108.6	82.2	2072

4/26/04 0:10	755	912	19.2	1450	108.6	82.4	2084
4/26/04 0:15	752	907	19.3	1450	108.6	82.3	2047
4/26/04 0:20	759	897	19.6	1450	108.6	82.3	2082
4/26/04 0:25	759	907	19.4	1450	108.6	82.3	2092
4/26/04 0:30	758	901	19.6	1451	108.6	82.2	2084
4/26/04 0:35	750	896	19.5	1444	108.5	82.1	2105
4/26/04 0:40	751	903	19.4	1444	108.4	82.2	2084
4/26/04 0:45	750	911	19.1	1450	108.5	82.3	2088
4/26/04 0:50	754	891	19.7	1452	108.4	82.1	2082
4/26/04 0:55	748	903	19.6	1453	108.4	82.1	2076
4/26/04 1:00	760	907	19.3	1447	108.4	82.1	2088
4/26/04 1:05	754	911	19.2	1448	108.4	82.2	2078
4/26/04 1:10	759	907	19.5	1448	108.4	81.9	2072
4/26/04 1:15	759	911	19.3	1448	108.4	81.9	2076
4/26/04 1:20	755	894	19.7	1445	108.3	81.9	2092
4/26/04 1:25	740	907	19.3	1452	108.3	82	2055
4/26/04 1:30	755	911	19.4	1448	108.3	81.9	2061
4/26/04 1:35	751	903	19.5	1453	108.3	81.8	2088
4/26/04 1:40	749	903	19.2	1446	108.3	81.8	2051
4/26/04 1:45	749	909	19.1	1453	108.2	81.8	2078
4/26/04 1:50	759	904	19.6	1446	108.1	81.7	2082
4/26/04 1:55	760	902	19.4	1444	108.2	81.9	2088
4/26/04 2:00	749	906	19.2	1446	108.1	81.8	2088
4/26/04 2:05	757	903	19.6	1450	108	81.6	2092
4/26/04 2:10	755	903	19.3	1450	108	81.8	2036
4/26/04 2:15	752	907	19.2	1445	108	81.7	2084
4/26/04 2:20	760	907	19.2	1445	108	81.7	2099
4/26/04 2:25	759	903	19.4	1453	107.9	81.6	2078
4/26/04 2:30	745	894	20.2	1444	107.8	81.6	2072
4/26/04 2:35	762	916	19.2	1444	107.9	81.7	2099
4/26/04 2:40	760	897	19.5	1451	107.8	81.5	2045
4/26/04 2:45	750	902	19.6	1448	107.8	81.4	2092
4/26/04 2:50	763	898	19.7	1448	107.8	81.6	2094
4/26/04 2:55	751	911	19.2	1450	107.7	81.5	2072
4/26/04 3:00	749	909	19.3	1455	107.7	81.2	2084
4/26/04 3:05	758	913	19.1	1453	107.7	81.2	2078
4/26/04 3:10	760	912	19.3	1448	107.6	81.4	2065
4/26/04 3:15	752	909	19.5	1448	107.7	81.4	2065
4/26/04 3:20	755	906	19.4	1450	107.7	81.4	2092
4/26/04 3:25	750	909	19.3	1448	107.6	81.5	2103
4/26/04 3:30	764	903	19.4	1448	107.7	81.3	2072
4/26/04 3:35	754	900	19.4	1448	107.6	81.5	2067
4/26/04 3:40	742	903	19.5	1446	107.7	81.5	2072
4/26/04 3:45	762	907	19.3	1452	107.5	81.4	2103
4/26/04 3:50	755	907	19.1	1448	107.5	81.5	2040
4/26/04 3:55	758	902	19.5	1448	107.6	81.2	2078
4/26/04 4:00	757	915	19	1455	107.5	81.5	2078
4/26/04 4:05	760	913	18.9	1451	107.5	81.2	2072
4/26/04 4:10	756	904	19.4	1446	107.5	81.4	2099
4/26/04 4:15	766	894	19.6	1444	107.5	81.2	2121
4/26/04 4:20	751	909	19.1	1455	107.5	81.2	2065
4/26/04 4:25	761	899	19.7	1453	107.5	81.2	2084
4/26/04 4:30	755	894	19.8	1448	107.6	81.3	2078
4/26/04 4:35	754	897	19.7	1451	107.7	81.3	2072
4/26/04 4:40	756	920	19.1	1448	107.7	81.5	2065
4/26/04 4:45	752	912	19.1	1452	107.7	81.2	2076
4/26/04 4:50	747	903	19.5	1450	107.7	81.5	2078
4/26/04 4:55	761	909	19.1	1452	107.8	81.2	2067
4/26/04 5:00	755	911	19.1	1446	107.8	81.1	2072
4/26/04 5:05	755	906	19.3	1448	107.9	81	2065
4/26/04 5:10	755	916	18.9	1446	107.9	81.5	2051

4/26/04 5:15	758	904	19.6	1442	108	81.2	2082
4/26/04 5:20	760	898	19.7	1442	108	81.1	2084
4/26/04 5:25	752	903	19.4	1446	108	81.1	2065
4/26/04 5:30	754	911	19	1450	108	81	2082
4/26/04 5:35	755	901	19.4	1450	108	80.9	2061
4/26/04 5:40	761	912	19.3	1448	108	81	2082
4/26/04 5:45	755	903	19.7	1444	108	80.8	2061
4/26/04 5:50	756	898	19.7	1441	108	80.9	2061
4/26/04 5:55	750	911	19.1	1450	108	80.9	2047
4/26/04 6:00	748	902	19.6	1448	108.2	81.1	2084
4/26/04 6:05	759	905	19.3	1450	108.2	80.8	2082
4/26/04 6:10	756	909	19.4	1448	108.2	80.8	2067
4/26/04 6:15	757	911	19.3	1446	108.3	80.8	2099
4/26/04 6:20	755	907	19.7	1446	108.3	80.9	2082
4/26/04 6:25	764	911	19.4	1448	108.3	81	2088
4/26/04 6:30	758	893	19.7	1448	108.4	81	2084
4/26/04 6:35	754	909	19.5	1446	108.5	81.2	2078
4/26/04 6:40	758	900	19.6	1444	108.6	81.3	2082
4/26/04 6:45	760	894	19.5	1446	108.8	81.2	2092
4/26/04 6:50	764	911	19.5	1450	108.9	81.2	2067
4/26/04 6:55	757	903	19.5	1440	109	81.2	2076
4/26/04 7:00	748	894	19.8	1446	109.2	81.5	2094
4/26/04 7:05	755	907	19.3	1446	109.4	81.6	2076
4/26/04 7:10	758	899	19.5	1442	109.5	81.6	2051
4/26/04 7:15	764	900	19.4	1441	109.7	81.8	2072
4/26/04 7:20	748	909	19.3	1444	109.8	81.9	2067
4/26/04 7:25	754	900	19.4	1448	110	82.2	2072
4/26/04 7:30	755	898	19.6	1446	110.2	82.3	2055
4/26/04 7:35	761	916	19.1	1441	110.4	82.2	2072
4/26/04 7:40	762	902	19.7	1442	110.5	82.3	2065
4/26/04 7:45	756	895	19.9	1445	110.5	82.5	2055
4/26/04 7:50	761	897	19.7	1439	110.6	82.5	2072
4/26/04 7:55	764	900	19.4	1444	110.7	83	2076
4/26/04 8:00	755	905	19.3	1444	110.8	82.9	2067
4/26/04 8:05	761	905	19.5	1445	110.9	83.1	2047
4/26/04 8:10	755	898	19.4	1442	111.1	83.2	2067
4/26/04 8:15	754	903	19.5	1442	111.1	83.3	2036
4/26/04 8:20	755	906	19.2	1447	111.2	83.6	2088
4/26/04 8:25	755	892	19.9	1439	111.3	83.5	2061
4/26/04 8:30	764	909	19.2	1444	111.6	83.5	2051
4/26/04 8:35	767	912	19	1446	111.6	83.4	2067
4/26/04 8:40	758	905	19.3	1444	111.7	83.6	2047
4/26/04 8:45	751	897	19.2	1445	111.8	83.6	2067
4/26/04 8:50	758	897	19.5	1439	111.9	83.8	2078
4/26/04 8:55	755	901	19.3	1447	112	83.8	2088
4/26/04 9:00	751	896	19.6	1439	112.1	83.9	2045
4/26/04 9:05	749	904	19.1	1442	112.2	84	2040
4/26/04 9:10	756	896	19.4	1441	112.3	83.8	2047
4/26/04 9:15	752	896	19.5	1437	112.3	83.3	2061
4/26/04 9:20	760	887	19.6	1441	112.3	83.7	2061
4/26/04 9:25	755	898	19.2	1437	112.4	83.8	2061
4/26/04 9:30	748	900	19.4	1446	112.5	84.2	2051
4/26/04 9:35	752	911	19.3	1443	112.6	84.4	2051
4/26/04 9:40	752	900	19.2	1439	112.8	84.4	2067
4/26/04 9:45	757	909	19.3	1439	112.7	84.1	2040
4/26/04 9:50	754	889	19.7	1446	112.7	84.1	2036
4/26/04 9:55	757	887	19.6	1444	112.8	84.3	2045
4/26/04 10:00	756	900	19.6	1439	112.9	84.2	2036
4/26/04 10:05	758	887	20	1441	113.1	84.6	2051
4/26/04 10:10	756	900	19.4	1435	113.2	85.1	2072
4/26/04 10:15	754	890	19.8	1437	113.4	85	2076

4/26/04 10:20	749	902	19.5	1433	113.5	85.1	2082
4/26/04 10:25	752	912	19	1439	113.5	84.9	2045
4/26/04 10:30	754	895	19.6	1437	113.6	84.5	2072
4/26/04 10:35	762	901	19.4	1439	113.5	84.8	2072
4/26/04 10:40	750	900	19.2	1444	113.5	84.9	2055
4/26/04 10:45	754	899	19.5	1439	113.5	84.7	2072
4/26/04 10:50	744	891	19.6	1440	113.5	84.7	2040
4/26/04 10:55	747	887	20.2	1441	113.7	84.7	2045
4/26/04 11:00	746	896	19.4	1438	113.7	85.4	2034
4/26/04 11:05	757	891	19.7	1439	113.9	85.4	2055
4/26/04 11:10	755	902	19.1	1440	113.9	85.4	2072
4/26/04 11:15	751	894	19.5	1435	114	84.9	2045
4/26/04 11:20	756	894	19.1	1439	113.8	84.6	2016
4/26/04 11:25	744	895	19.2	1440	113.9	85.3	2045
4/26/04 11:30	752	895	19.4	1441	114	85.7	2047
4/26/04 11:35	752	903	19.4	1441	114.1	85.6	2051
4/26/04 11:40	750	900	19.4	1442	114.1	86.3	2078
4/26/04 11:45	749	903	19.2	1441	114.3	86.5	2051
4/26/04 11:50	739	911	19	1442	114.4	85.8	2047
4/26/04 11:55	744	897	19.1	1441	114.3	86.4	2034
4/26/04 12:00	752	878	20	1433	114.4	86.3	2051
4/26/04 12:05	747	889	19.4	1435	114.4	86.7	2047
4/26/04 12:10	744	899	19.4	1437	114.5	86.6	2030
4/26/04 12:15	742	889	19.5	1441	114.5	86.6	2040
4/26/04 12:20	755	901	19.4	1439	114.5	86.7	2072
4/26/04 12:25	748	890	19.3	1437	114.5	86.6	2040
4/26/04 12:30	755	888	19.4	1439	114.5	86.6	2051
4/26/04 12:35	748	895	19.3	1435	114.6	87.3	2067
4/26/04 12:40	748	907	18.9	1441	114.6	87.2	2072
4/26/04 12:45	744	895	19	1439	114.6	87.4	2047
4/26/04 12:50	739	890	19.8	1437	114.5	86.2	2026
4/26/04 12:55	748	890	19.2	1442	114.5	87.3	2030
4/26/04 13:00	739	900	19.1	1441	114.5	86.8	2072
4/26/04 13:05	745	907	19	1439	114.5	86.7	2036
4/26/04 13:10	746	883	19.9	1433	114.5	86.7	2072
4/26/04 13:15	749	900	19.4	1440	114.6	86.3	2072
4/26/04 13:20	741	893	19.2	1442	114.5	85.9	2036
4/26/04 13:25	739	901	19.1	1441	114.4	85.9	2051
4/26/04 13:30	746	906	19	1437	114.4	86	2067
4/26/04 13:35	742	900	19.1	1437	114.5	86.4	2045
4/26/04 13:40	748	898	19.3	1438	114.5	86.3	2055
4/26/04 13:45	755	903	19.4	1440	114.5	86.5	2065
4/26/04 13:50	750	900	18.8	1444	114.5	86.7	2045
4/26/04 13:55	733	887	19.6	1437	114.5	86.7	2045
4/26/04 14:00	755	909	18.7	1439	114.5	86.3	2055
4/26/04 14:05	750	896	19.4	1437	114.5	85.2	2072
4/26/04 14:10	748	891	19.3	1441	114.5	86.1	2047
4/26/04 14:15	751	890	19.6	1433	114.5	84.9	2055
4/26/04 14:20	749	882	19.6	1435	114.5	85.8	2061
4/26/04 14:25	758	894	19.5	1437	114.6	86.5	2061
4/26/04 14:30	756	898	19.4	1438	114.6	86.8	2061
4/26/04 14:35	749	894	19.3	1433	114.7	87.2	2065
4/26/04 14:40	755	902	19.3	1435	114.7	86.9	2047
4/26/04 14:45	748	890	19	1437	114.7	86.9	2065
4/26/04 14:50	744	892	19.5	1438	114.7	87.2	2076
4/26/04 14:55	755	883	19.7	1435	114.7	87.2	2055
4/26/04 15:00	746	905	18.7	1439	114.7	87.5	2047
4/26/04 15:05	749	895	19.1	1440	114.8	87.6	2067
4/26/04 15:10	744	894	19.3	1442	114.8	87.8	2036
4/26/04 15:15	744	886	19.5	1435	114.9	87.8	2055
4/26/04 15:20	749	898	19.1	1437	114.9	88.2	2076

4/26/04 15:25	743	893	19.3	1439	115	87.7	2040
4/26/04 15:30	740	895	19.2	1437	115	87.8	2040
4/26/04 15:35	748	878	19.4	1433	115	87.7	2065
4/26/04 15:40	749	893	19.4	1437	114.9	87.5	2055
4/26/04 15:45	755	876	20	1433	114.8	87.6	2040
4/26/04 15:50	744	893	19.3	1434	114.8	87.2	2030
4/26/04 15:55	750	898	18.9	1441	114.7	87.5	2078
4/26/04 16:00	752	902	19	1441	114.7	87.5	2036
4/26/04 16:05	748	883	19.6	1439	114.7	87.2	2051
4/26/04 16:10	745	890	19.1	1442	114.7	87.6	2067
4/26/04 16:15	754	894	18.9	1437	114.7	87.5	2040
4/26/04 16:20	747	883	19.8	1439	114.7	87.7	2034
4/26/04 16:25	748	880	19.8	1433	114.6	87.7	2036
4/26/04 16:30	740	900	19.1	1437	114.6	87.7	2078
4/26/04 16:35	756	897	19.2	1438	114.5	87.6	2051
4/26/04 16:40	741	897	18.8	1441	114.5	87.4	2065
4/26/04 16:45	739	897	19.2	1441	114.4	87.4	2034
4/26/04 16:50	751	892	19	1440	114.4	87.4	2040
4/26/04 16:55	751	891	19.1	1442	114.4	87.4	2040
4/26/04 17:00	748	894	19.3	1442	114.4	87.3	2051
4/26/04 17:05	748	890	19.3	1435	114.3	87.3	2061
4/26/04 17:10	754	898	19	1441	114.2	87.4	2061
4/26/04 17:15	748	895	19	1440	114.1	87.2	2036
4/26/04 17:20	748	899	19.1	1440	114.1	87.3	2040
4/26/04 17:25	745	884	19.4	1437	114.1	87.4	2055
4/26/04 17:30	749	903	18.8	1442	114.1	87.2	2045
4/26/04 17:35	748	900	19.2	1440	114	87.2	2045
4/26/04 17:40	744	893	19.5	1435	114	87.3	2055
4/26/04 17:45	743	898	19.1	1437	113.9	87.1	2072
4/26/04 17:50	755	900	19.1	1435	113.8	87	2088
4/26/04 17:55	738	900	19	1439	113.8	86.9	2065
4/26/04 18:00	744	894	19.1	1440	113.7	86.9	2047
4/26/04 18:05	745	890	19.1	1438	113.6	86.8	2055
4/26/04 18:10	742	900	19.1	1441	113.5	86.7	2045
4/26/04 18:15	744	904	18.7	1440	113.4	86.8	2026
4/26/04 18:20	743	893	19.2	1441	113.3	86.6	2045
4/26/04 18:25	746	892	19.2	1441	113.3	86.6	2082
4/26/04 18:30	745	899	19	1439	113.2	86.5	2055
4/26/04 18:35	746	899	19.2	1441	113.1	86.5	2055
4/26/04 18:40	745	903	18.8	1441	113	86.5	2040
4/26/04 18:45	746	891	19.2	1437	112.8	86.3	2061
4/26/04 18:50	742	891	19.2	1437	112.8	86.3	2045
4/26/04 18:55	741	902	18.8	1440	112.7	86.2	2076
4/26/04 19:00	748	888	19.4	1440	112.5	86.3	2055
4/26/04 19:05	743	903	18.9	1438	112.5	86.2	2051
4/26/04 19:10	744	890	19.2	1441	112.4	86	2045
4/26/04 19:15	742	899	19.1	1439	112.4	86.1	2076
4/26/04 19:20	746	899	19.1	1439	112.3	85.8	2065
4/26/04 19:25	744	895	19.5	1444	112.3	86	2055
4/26/04 19:30	738	884	19.6	1437	112.2	85.7	2065
4/26/04 19:35	741	902	19.1	1441	112.2	85.6	2036
4/26/04 19:40	739	894	18.9	1443	112.1	85.7	2040
4/26/04 19:45	746	886	19.6	1439	112	85.6	2047
4/26/04 19:50	737	900	18.9	1441	111.9	85.6	2072
4/26/04 19:55	751	901	18.9	1444	111.9	85.4	2045
4/26/04 20:00	744	896	19.2	1439	111.8	85.5	2051
4/26/04 20:05	747	900	19.2	1441	111.7	85.3	2051
4/26/04 20:10	746	884	19.8	1434	111.6	85.2	2072
4/26/04 20:15	739	895	19.1	1441	111.6	85.3	2045
4/26/04 20:20	744	898	19.2	1442	111.6	85.2	2055
4/26/04 20:25	749	893	19.4	1441	111.4	85.2	2045

4/26/04 20:30	748	900	19.3	1442	111.3	85.1	2055
4/26/04 20:35	741	900	19.2	1444	111.3	85.1	2036
4/26/04 20:40	742	907	18.8	1443	111.2	85.1	2061
4/26/04 20:45	745	899	19	1446	111.2	85	2051
4/26/04 20:50	734	911	18.9	1446	111.1	84.9	2045
4/26/04 20:55	743	897	19.3	1439	111.1	84.9	2065
4/26/04 21:00	744	903	18.8	1445	110.9	84.8	2047
4/26/04 21:05	744	896	19.4	1439	110.9	84.9	2040
4/26/04 21:10	744	907	19	1446	110.8	84.7	2047
4/26/04 21:15	746	902	19.1	1442	110.8	84.7	2072
4/26/04 21:20	735	894	19.3	1441	110.7	84.5	2055
4/26/04 21:25	744	887	19.7	1444	110.7	84.6	2065
4/26/04 21:30	745	896	19	1441	110.7	84.6	2055
4/26/04 21:35	733	899	19	1444	110.6	84.5	2055
4/26/04 21:40	738	901	19.2	1439	110.5	84.5	2036
4/26/04 21:45	749	909	19	1444	110.5	84.5	2067
4/26/04 21:50	743	892	19.6	1445	110.4	84.3	2045
4/26/04 21:55	738	895	19.2	1450	110.3	84.5	2076
4/26/04 22:00	749	898	19.2	1441	110.3	84.2	2040
4/26/04 22:05	737	897	19.3	1443	110.2	84.2	2026
4/26/04 22:10	738	904	18.9	1444	110.2	84	2036
4/26/04 22:15	746	904	18.8	1440	110.1	84.1	2067
4/26/04 22:20	740	899	19	1444	110	84.1	2040
4/26/04 22:25	739	883	19.5	1442	110	84	2072
4/26/04 22:30	737	895	19.4	1440	109.9	84	2026
4/26/04 22:35	743	904	19.1	1442	109.9	84	2061
4/26/04 22:40	738	894	19.3	1442	109.8	83.9	2067
4/26/04 22:45	736	894	19.2	1447	109.7	83.8	2072
4/26/04 22:50	744	902	19.1	1441	109.7	83.8	2045
4/26/04 22:55	743	896	19.4	1437	109.6	83.9	2055
4/26/04 23:00	746	898	19	1446	109.5	83.7	2026
4/26/04 23:05	737	875	19.9	1444	109.5	83.7	2072
4/26/04 23:10	740	900	19.1	1446	109.4	83.5	2045
4/26/04 23:15	747	900	19.3	1450	109.4	83.6	2067
4/26/04 23:20	745	889	19.4	1444	109.3	83.5	2082
4/26/04 23:25	740	912	18.9	1444	109.4	83.6	2067
4/26/04 23:30	744	898	19.3	1443	109.3	83.7	2055
4/26/04 23:35	740	907	19.1	1442	109.4	83.6	2061
4/26/04 23:40	742	900	19.3	1451	109.4	83.5	2040
4/26/04 23:45	746	896	19.4	1439	109.3	83.5	2047
4/26/04 23:50	748	901	19	1444	109.3	83.7	2055
4/26/04 23:55	748	900	19.5	1440	109.2	83.5	2055
4/27/04 0:00	742	900	19.4	1442	109.1	83.5	2078
4/27/04 0:05	738	886	19.7	1446	109	83.4	2065
4/27/04 0:10	742	896	19.4	1444	108.9	83.3	2067
4/27/04 0:15	736	902	19.3	1442	108.8	83.3	2076
4/27/04 0:20	736	906	19.1	1446	108.8	83.3	2065
4/27/04 0:25	741	896	19.3	1441	108.6	83.2	2072
4/27/04 0:30	743	903	19.3	1448	108.5	83.1	2055
4/27/04 0:35	739	909	19.1	1448	108.5	83	2078
4/27/04 0:40	738	902	19	1444	108.5	83.1	2072
4/27/04 0:45	739	907	19.3	1446	108.4	83.1	2045
4/27/04 0:50	746	894	19.5	1446	108.4	83	2045
4/27/04 0:55	739	909	19.1	1444	108.3	82.9	2045
4/27/04 1:00	738	912	18.8	1448	108.2	82.9	2045
4/27/04 1:05	737	898	19.3	1446	108.2	82.8	2072
4/27/04 1:10	734	900	19.4	1446	108	82.8	2061
4/27/04 1:15	740	915	18.8	1444	108	82.8	2047
4/27/04 1:20	737	902	19.1	1452	107.9	82.7	2072
4/27/04 1:25	747	903	19.2	1450	108	82.7	2045
4/27/04 1:30	744	907	19	1446	107.9	82.7	2055

4/27/04 1:35	734	911	19.1	1450	107.9	82.6	2036
4/27/04 1:40	742	899	19.1	1446	107.8	82.5	2047
4/27/04 1:45	744	902	19.1	1448	107.8	82.5	2065
4/27/04 1:50	735	916	18.7	1448	107.8	82.5	2076
4/27/04 1:55	738	900	19.4	1446	107.7	82.5	2076
4/27/04 2:00	741	904	19	1446	107.7	82.4	2072
4/27/04 2:05	743	901	19.4	1446	107.5	82.4	2045
4/27/04 2:10	737	902	19.4	1446	107.5	82.3	2047
4/27/04 2:15	738	916	18.9	1450	107.5	82.3	2072
4/27/04 2:20	733	892	19.7	1442	107.4	82.2	2078
4/27/04 2:25	736	903	19.3	1448	107.3	82.2	2067
4/27/04 2:30	736	898	19.5	1442	107.3	82.2	2076
4/27/04 2:35	744	903	19.3	1450	107.2	82.1	2065
4/27/04 2:40	734	909	19.3	1444	107.1	82	2061
4/27/04 2:45	734	901	19.4	1446	106.9	81.9	2045
4/27/04 2:50	739	905	19	1448	106.8	81.9	2065
4/27/04 2:55	735	906	19	1452	106.8	81.8	2051
4/27/04 3:00	744	907	19.2	1446	106.7	81.8	2065
4/27/04 3:05	733	903	19	1450	106.7	81.8	2072
4/27/04 3:10	736	902	19.3	1450	106.6	81.7	2061
4/27/04 3:15	739	890	19.7	1448	106.5	81.6	2067
4/27/04 3:20	743	907	18.9	1454	106.4	81.7	2072
4/27/04 3:25	737	909	19.1	1446	106.4	81.6	2055
4/27/04 3:30	733	894	19.8	1444	106.2	81.5	2072
4/27/04 3:35	738	896	19.6	1448	106.1	81.5	2061
4/27/04 3:40	745	904	19.4	1450	106.1	81.5	2047
4/27/04 3:45	744	922	18.7	1451	106.1	81.2	2047
4/27/04 3:50	739	903	19.5	1450	106	81.3	2047
4/27/04 3:55	736	918	18.8	1450	106	81.1	2076
4/27/04 4:00	741	907	19	1453	105.8	81.2	2067
4/27/04 4:05	739	925	18.6	1460	105.7	81.1	2067
4/27/04 4:10	731	913	18.9	1453	105.7	81.1	2045
4/27/04 4:15	744	903	19.7	1452	105.6	81.1	2030
4/27/04 4:20	736	900	19.3	1448	105.5	81.1	2061
4/27/04 4:25	749	899	19.6	1446	105.5	81	2047
4/27/04 4:30	738	904	19.3	1450	105.4	81	2082
4/27/04 4:35	744	912	19	1448	105.4	80.8	2065
4/27/04 4:40	746	901	19.6	1453	105.3	80.7	2076
4/27/04 4:45	742	892	20	1441	105.2	80.8	2061
4/27/04 4:50	738	912	19	1455	105.2	80.7	2051
4/27/04 4:55	740	897	19.4	1450	105.2	80.6	2061
4/27/04 5:00	743	916	19.1	1453	105.1	80.6	2067
4/27/04 5:05	737	897	19.6	1447	105.1	80.5	2072
4/27/04 5:10	745	907	19.3	1456	105	80.3	2065
4/27/04 5:15	740	915	19	1451	105	80.5	2067
4/27/04 5:20	741	911	19.2	1453	104.9	80.4	2072
4/27/04 5:25	735	906	19.1	1453	104.9	80.1	2072
4/27/04 5:30	740	900	19.5	1453	104.9	80	2084
4/27/04 5:35	741	902	19.4	1450	104.7	80	2047
4/27/04 5:40	745	909	19	1451	104.7	80.3	2072
4/27/04 5:45	737	911	19.3	1454	104.7	80	2078
4/27/04 5:50	733	905	19.1	1454	104.7	80.1	2065
4/27/04 5:55	744	897	19.5	1450	104.7	80.2	2061
4/27/04 6:00	738	920	19	1457	104.8	80.1	2061
4/27/04 6:05	736	900	19.3	1452	104.9	80.1	2055
4/27/04 6:10	736	901	19.4	1448	104.8	79.8	2051
4/27/04 6:15	736	903	19.5	1452	105	80.2	2051
4/27/04 6:20	741	907	19	1453	105	80.1	2061
4/27/04 6:25	738	898	19.7	1450	105.1	80.6	2067
4/27/04 6:30	749	909	19.6	1453	105.2	80.4	2051
4/27/04 6:35	734	911	19.3	1448	105.2	80.4	2061

4/27/04 6:40	736	901	19.5	1447	105.4	80.8	2061
4/27/04 6:45	748	892	20	1448	105.4	80.9	2078
4/27/04 6:50	736	905	19.2	1446	105.5	81.1	2051
4/27/04 6:55	744	907	19.7	1446	105.6	81.2	2076
4/27/04 7:00	733	916	19	1457	105.7	81	2072
4/27/04 7:05	733	899	19.6	1452	105.7	81.2	2061
4/27/04 7:10	739	911	19.6	1450	105.8	81	2072
4/27/04 7:15	744	898	19.7	1450	106	80.7	2061
4/27/04 7:20	743	915	19	1452	105.8	80.7	2065
4/27/04 7:25	744	914	19.3	1444	106	80.2	2084
4/27/04 7:30	749	914	19.3	1451	106	80.3	2024
4/27/04 7:35	746	913	19.5	1448	106.1	95.7	2082
4/27/04 7:40	744	900	19.7	1451	106	81	2061
4/27/04 7:45	740	905	19.5	1450	105.8	80.5	2026
4/27/04 7:50	740	905	19.4	1451	105.8	80.4	2072
4/27/04 7:55	737	906	19.1	1450	106.1	80.6	2067
4/27/04 8:00	742	911	19.2	1450	106	80.4	2067

Time	Date	THC	THC High	THC Low	Avg	Temp Filter	Temp Pump	Temp Sample	PSI Sample Line	Sample Location
0:01	4/22/2004	206.27	238.45	197.24	210.97	124.7	124.7	182.5	7.21	5
0:07	4/22/2004	84.81	89	79.27	84.78	124.7	125	182.4	7.24	1
0:12	4/22/2004	47.12	47.51	41.76	46.63	125.2	125.1	182.5	7.27	2
0:18	4/22/2004	58.38	64.6	58.02	58.82	125.1	125.3	182.6	7.25	3
0:24	4/22/2004	2.47	2.54	2.17	2.47	125.1	125.3	182.8	7.26	4
0:29	4/22/2004	209.7	236.22	195.43	207.9	125.1	124.9	182.9	7.27	5
0:35	4/22/2004	85.4	87.02	78.45	83.23	124.7	124.9	182.7	7.26	1
0:40	4/22/2004	45.55	46.03	40.78	45.08	125.1	124.7	182.6	7.23	2
0:46	4/22/2004	57.32	62.79	56.6	57.44	124.9	124.7	182.7	7.25	3
0:52	4/22/2004	2.52	2.56	2.18	2.49	124.9	124.9	182.7	7.24	4
0:57	4/22/2004	199.44	229.82	194.37	203.85	124.6	125	182.6	7.23	5
1:03	4/22/2004	81.97	86.08	76.8	81.98	124.9	125.2	182.6	7.29	1
1:08	4/22/2004	45.56	46.1	40.81	45.42	124.9	125.2	182.5	7.24	2
1:14	4/22/2004	56.99	62.81	56.29	57.18	124.8	125.2	182.6	7.24	3
1:20	4/22/2004	2.54	2.58	2.22	2.51	124.8	125.3	182.7	7.21	4
1:25	4/22/2004	203.66	232.03	191.13	203.56	124.8	125.2	182.7	7.24	5
1:31	4/22/2004	78.14	86.26	75.42	81.31	124.9	125	182.6	7.23	1
1:37	4/22/2004	46.15	46.27	41.28	45.45	125	125	182.7	7.25	2
1:42	4/22/2004	56.64	62.54	56.37	57.15	125.1	125	182.7	7.23	3
1:48	4/22/2004	2.58	2.59	2.19	2.53	125.2	125	182.9	7.23	4
1:53	4/22/2004	191.58	221.65	185.63	199.03	125.1	124.9	182.9	7.23	5
1:59	4/22/2004	79.79	84.41	74.22	80.3	125	124.7	182.8	7.27	1
2:05	4/22/2004	45.04	45.55	40.05	44.56	124.8	124.6	182.8	7.26	2
2:10	4/22/2004	55.91	61.47	55.2	56.05	124.8	124.8	182.9	7.26	3
2:16	4/22/2004	2.66	2.68	2.28	2.62	124.6	124.9	182.8	7.26	4
2:21	4/22/2004	195.19	221.1	182.78	198.59	125	125	182.8	7.29	5
2:27	4/22/2004	78.7	84.42	74.32	79.73	124.7	125	182.8	7.21	1
2:33	4/22/2004	44.57	45.03	39.42	44.25	124.9	125	182.8	7.27	2
2:38	4/22/2004	54.75	60.96	54.56	55.46	124.7	125	182.7	7.2	3
2:44	4/22/2004	2.68	2.74	2.3	2.65	124.9	124.9	182.9	7.27	4
2:50	4/22/2004	195.2	218.84	181.84	194.34	125.1	124.9	182.8	7.21	5
2:55	4/22/2004	78.78	82.99	74.28	79.02	125.2	125	182.9	7.22	1
3:01	4/22/2004	43.96	44.9	39.51	43.85	125	125	182.8	7.24	2
3:06	4/22/2004	54.53	60.4	54.12	54.91	124.9	125.1	182.8	7.27	3
3:12	4/22/2004	2.71	2.74	2.33	2.68	125	125.1	182.9	7.22	4
3:18	4/22/2004	191.23	218.78	183.15	193.93	125.1	125	182.9	7.27	5
3:23	4/22/2004	81.96	83.97	71.28	78.85	125.1	125	182.9	7.24	1
3:29	4/22/2004	43.73	44.7	39.13	43.87	125.2	125.1	182.7	7.25	2
3:34	4/22/2004	54.52	60.57	54.36	55.11	125.2	125	182.6	7.28	3
3:40	4/22/2004	2.72	2.78	2.38	2.7	125.1	125	182.8	7.24	4
3:46	4/22/2004	190.23	218.62	179.87	192.26	124.8	125	182.7	7.25	5
3:51	4/22/2004	82.32	82.32	73.17	77.92	125	125	182.7	7.24	1
3:57	4/22/2004	44.17	44.91	39.48	44.1	125.1	125	182.6	7.27	2
4:03	4/22/2004	55.23	60.55	54.87	55.55	125.1	124.8	182.7	7.23	3
4:08	4/22/2004	2.13	2.47	2.13	2.29	125	124.6	182.7	7.24	4
4:14	4/22/2004	196.59	218.25	183.08	194.42	124.9	124.5	182.6	7.26	5
4:19	4/22/2004	81.19	83.08	72.3	78.2	125	125	182.6	7.23	1
4:25	4/22/2004	43.85	44.47	39.27	43.74	124.7	125	182.6	7.24	2
4:31	4/22/2004	54.18	60.12	54.06	54.83	125	125.2	182.5	7.25	3
4:36	4/22/2004	1.29	1.42	1.21	1.33	125.3	125.2	182.7	7.22	4
4:42	4/22/2004	182.14	215.48	174.58	185.53	125	125	182.8	7.26	5
4:47	4/22/2004	75.04	78.39	67.75	74.87	125	125.2	182.7	7.28	1
4:53	4/22/2004	42.36	42.88	37.91	42.17	124.9	124.9	182.7	7.24	2
4:59	4/22/2004	52.82	58.76	52.66	53.49	125.1	124.9	182.7	7.26	3
5:04	4/22/2004	1.12	1.19	0.99	1.11	124.9	124.8	182.8	7.27	4
5:10	4/22/2004	180.38	199.77	169.42	179.68	124.7	124.9	182.7	7.2	5
5:15	4/22/2004	72.32	77.04	66.78	72.67	124.8	125	182.6	7.29	1
5:21	4/22/2004	41.02	41.68	36.69	40.99	124.8	125.1	182.6	7.26	2
5:27	4/22/2004	52.12	57.44	51.67	52.49	124.8	125.1	182.8	7.26	3
5:32	4/22/2004	1.14	1.21	1	1.13	124.9	125	182.9	7.26	4
5:38	4/22/2004	173.95	196.77	165.42	177.15	124.8	125	182.8	7.24	5
5:44	4/22/2004	72.37	76.02	67.4	71.82	124.8	125.1	182.8	7.27	1

5:49	4/22/2004	41.07	41.52	36.26	40.72	124.8	125.1	182.7	7.2	2
5:55	4/22/2004	51.71	57.41	51.19	52.07	124.8	125.2	182.7	7.29	3
6:00	4/22/2004	1.15	1.22	1.02	1.14	124.9	125.1	182.7	7.28	4
6:06	4/22/2004	173.42	197.02	165.29	174.15	125	125.2	182.6	7.28	5
6:12	4/22/2004	73.47	74.97	67.67	71.51	125	125.5	182.6	7.23	1
6:17	4/22/2004	40.21	40.74	35.77	39.93	125.2	125.1	182.5	7.28	2
6:23	4/22/2004	51.05	56.24	50.72	51.38	125.3	124.9	182.4	7.27	3
6:28	4/22/2004	1.17	1.23	0.97	1.11	125.1	124.6	182.5	7.21	4
6:34	4/22/2004	172.4	196.52	162.64	171.93	125.2	124.7	182.4	7.22	5
6:40	4/22/2004	70.45	76.48	65.11	71.42	124.9	125.1	182.4	7.28	1
6:45	4/22/2004	40.29	40.81	35.89	40.08	125.4	125.4	182.4	7.24	2
6:51	4/22/2004	51.71	56.9	51.02	51.93	125.1	125.1	182.4	7.25	3
6:57	4/22/2004	1.13	1.22	1.02	1.14	125.2	124.9	182.5	7.27	4
7:02	4/22/2004	175.11	195.95	159.54	169.69	125.1	124.8	182.3	7.26	5
7:08	4/22/2004	68.96	75.14	66.19	70.25	125.1	124.7	182.3	7.27	1
7:13	4/22/2004	39.97	40.6	35.4	39.73	125	125.1	182.1	7.26	2
7:19	4/22/2004	51.96	57.16	51.58	52.25	124.7	125.4	182.1	7.25	3
7:25	4/22/2004	1.22	1.3	1.1	1.22	125.2	125.2	182.1	7.22	4
7:30	4/22/2004	159.39	195.93	95.47	156.45	124.8	125.1	182	7.26	5
7:36	4/22/2004	9.16	14.09	7.81	10.35	125.3	125.2	182.3	7.25	1
7:41	4/22/2004	9.84	10.01	9.19	9.82	124.9	125	182.3	7.28	2
7:47	4/22/2004	34.82	36.1	22.76	25.85	125.2	124.9	182.2	7.22	3
7:53	4/22/2004	1.11	1.19	0.97	1.12	124.8	124.8	182.4	7.28	4
7:58	4/22/2004	192.05	228.25	180.58	194.41	125	124.7	182.5	7.32	5
8:04	4/22/2004	74.28	81.61	72.24	77.87	124.8	124.9	182.3	7.24	1
8:10	4/22/2004	43.19	43.77	38.68	42.98	125	124.9	182.3	7.27	2
8:15	4/22/2004	54.93	60.17	54.3	55.06	124.8	124.9	182.4	7.22	3
8:21	4/22/2004	1.14	1.23	1.04	1.16	124.8	124.7	182.3	7.2	4
8:26	4/22/2004	189.92	213.03	179.23	191.34	124.7	124.9	182.3	7.28	5
8:32	4/22/2004	80.92	83.24	68.54	77.61	124.9	124.9	182.2	7.24	1
8:38	4/22/2004	43.11	43.81	38.43	43	125.1	125	182.2	7.23	2
8:43	4/22/2004	55.54	61.94	55.07	55.96	124.9	125.2	182.4	7.2	3
8:49	4/22/2004	1.03	1.13	0.94	1.05	125.2	125	182.3	7.24	4
8:54	4/22/2004	201.61	230.52	188.78	199.95	125.2	125.2	182.4	7.31	5
9:00	4/22/2004	81.7	83.63	73.17	79.03	125.1	125.3	182.4	7.29	1
9:06	4/22/2004	42.88	43.68	38.55	42.86	125	125.1	182.4	7.24	2
9:11	4/22/2004	55.11	61.45	54.79	55.64	125.1	125.2	182.4	7.24	3
9:17	4/22/2004	1.13	1.29	1.09	1.16	125.1	125.1	182.5	7.29	4
9:22	4/22/2004	202.16	214.25	174.89	190.77	125	125.2	182.6	7.28	5
9:28	4/22/2004	81.11	85.28	75.4	80.54	124.8	125.3	182.5	7.21	1
9:34	4/22/2004	43.02	43.15	38.26	42.4	125.1	125.3	182.5	7.26	2
9:39	4/22/2004	55.36	61	54.65	55.41	125.2	125.4	182.6	7.24	3
9:45	4/22/2004	1.02	1.09	0.92	1.02	125.1	125.3	182.5	7.24	4
9:51	4/22/2004	185.78	223.39	181.15	196.47	124.8	125.3	182.3	7.2	5
9:56	4/22/2004	80.36	87.74	72.2	80.86	125.1	125.2	182.6	7.29	1
10:02	4/22/2004	42.08	42.94	37.95	42.09	125	125.1	182.5	7.28	2
10:07	4/22/2004	54.44	60.54	54.2	55.01	124.8	125.1	182.5	7.24	3
10:13	4/22/2004	1.04	1.1	0.92	1.03	124.6	124.9	182.6	7.26	4
10:19	4/22/2004	203.36	224.48	194.35	206.07	125	125	182.5	7.28	5
10:24	4/22/2004	83.86	88.15	77.04	83.26	125	125.1	182.6	7.29	1
10:30	4/22/2004	42.16	43.02	38.19	42.12	125.1	124.8	182.6	7.26	2
10:35	4/22/2004	54.67	60.45	54.2	54.98	125.2	125.2	182.6	7.25	3
10:41	4/22/2004	1.37	1.49	1.25	1.4	125.3	125	182.7	7.26	4
10:47	4/22/2004	204.37	230.8	179.31	197.32	125.4	125.2	182.8	7.26	5
10:52	4/22/2004	86.06	90.3	75.73	83.09	125.3	125.2	182.9	7.22	1
10:58	4/22/2004	42.28	42.8	37.97	42.07	125	125.1	182.8	7.22	2
11:04	4/22/2004	54.56	60.31	54.23	55.03	125.2	125.2	182.7	7.26	3
11:09	4/22/2004	1.39	1.41	1.15	1.31	125.2	125	182.8	7.26	4
11:15	4/22/2004	206.31	239.88	185.71	206.67	124.9	125	182.7	7.3	5
11:20	4/22/2004	85.87	90.85	74.92	85.68	125.2	125.1	182.4	7.26	1
11:26	4/22/2004	42.41	43.25	38	42.47	125	125	182.5	7.26	2
11:32	4/22/2004	55.07	60.93	54.63	55.44	125	125.1	182.7	7.26	3
11:37	4/22/2004	3.5	3.54	1.74	2.75	125.1	124.9	182.6	7.21	4
11:43	4/22/2004	195.94	224.48	183.62	200.16	124.8	125	182.7	7.27	5
11:48	4/22/2004	86.37	92.1	77.44	85.9	125	125	182.7	7.28	1

11:54	4/22/2004	43.53	43.79	38.37	43.04	125.1	125	182.8	7.24	2
12:00	4/22/2004	56.95	61.64	55.44	56.51	124.8	125	182.8	7.24	3
12:05	4/22/2004	6.36	6.51	5.75	6.38	125.1	124.9	182.8	7.22	4
12:11	4/22/2004	217.02	246.07	201.54	218.94	125	125.1	182.7	7.21	5
12:17	4/22/2004	91.86	94.33	77.53	87.88	124.9	124.9	182.7	7.25	1
12:22	4/22/2004	44.2	44.76	38.97	43.92	125	124.9	182.7	7.22	2
12:28	4/22/2004	56.74	62.72	56.02	56.89	124.8	125	182.7	7.22	3
12:33	4/22/2004	5.85	8.86	4.84	5.64	125	124.8	182.8	7.23	4
12:39	4/22/2004	232.79	252.85	208.3	227.01	124.9	124.8	182.7	7.29	5
12:45	4/22/2004	86.57	96.87	84.18	89.13	124.9	124.8	182.7	7.23	1
12:50	4/22/2004	44.16	44.93	39.67	44.18	125	124.7	182.6	7.21	2
12:56	4/22/2004	56.46	61.68	55.49	56.3	125	125	182.8	7.27	3
13:01	4/22/2004	5.03	5.03	4.16	4.82	125.2	124.7	182.8	7.27	4
13:07	4/22/2004	235.6	251.99	160.98	222.82	125	124.9	182.7	7.26	5
13:13	4/22/2004	236.57	236.88	233.89	235.57	125.5	125	182.8	7.27	1
13:18	4/22/2004	0.92	2.05	0.92	1.18	125	125	182.8	7.24	2
13:24	4/22/2004	12.55	12.55	10.03	11.34	125.1	125.1	182.8	7.26	3
13:30	4/22/2004	4.66	4.7	4.24	4.51	125.3	125.1	182.7	7.26	4
13:35	4/22/2004	310.25	1259.64	262.3	438.34	125	125.3	182.4	7.23	5
13:41	4/22/2004	415.42	472.65	275.29	306.42	125.2	125.2	182.7	7.27	1
13:46	4/22/2004	87.64	94.1	34.75	73.8	125.2	125.2	182.7	7.22	2
13:52	4/22/2004	62.44	75.36	62.08	65.19	124.9	125.3	182.7	7.24	3
13:58	4/22/2004	4.64	4.84	3.85	4.61	125.3	125.2	182.7	7.28	4
14:03	4/22/2004	286.76	322.24	269.79	288.67	125.1	125.3	183	7.3	5
14:09	4/22/2004	105.51	118.21	98.32	109.03	125.1	125.2	182.8	7.24	1
14:14	4/22/2004	55.24	57.33	50.68	55.72	125.2	125.2	182.8	7.28	2
14:20	4/22/2004	54.5	60.55	53.72	54.67	124.9	125.3	182.9	7.26	3
14:26	4/22/2004	3.6	3.8	3.2	3.6	125.2	125.3	182.8	7.24	4
14:31	4/22/2004	278.64	326.66	254.11	280.48	125.4	125.1	183	7.29	5
14:37	4/22/2004	107.9	114.78	95.78	106.54	125.2	125.1	182.8	7.26	1
14:42	4/22/2004	52.19	52.84	46.11	51.96	125	125.2	182.8	7.2	2
14:48	4/22/2004	51.88	57.76	50.78	52.46	125	125.1	182.9	7.22	3
14:54	4/22/2004	3.45	3.58	3.14	3.45	125.2	125.2	182.8	7.22	4
14:59	4/22/2004	271.67	305.58	253.36	273.23	125.3	125.2	183.1	7.31	5
15:05	4/22/2004	99.06	110.98	93.13	102.53	125.4	125.2	183	7.25	1
15:11	4/22/2004	50.19	50.59	44.85	49.8	125.3	125.2	183	7.25	2
15:16	4/22/2004	49.92	55.55	48.52	50.17	125.1	125.1	182.8	7.27	3
15:22	4/22/2004	3.08	3.41	2.81	3.2	125	125	182.9	7.22	4
15:27	4/22/2004	246.41	299.03	246.41	265.39	125.2	125.1	182.9	7.3	5
15:33	4/22/2004	96.56	110.56	90.06	101.16	125.3	125.1	182.9	7.22	1
15:39	4/22/2004	42.84	48.99	42.84	46.94	125	125.1	183	7.28	2
15:44	4/22/2004	40.22	44.93	40.19	40.84	124.8	125.2	182.9	7.22	3
15:50	4/22/2004	2.92	3.18	2.57	2.96	124.8	125.2	183	7.27	4
15:55	4/22/2004	229.95	271.77	209.2	230.82	124.9	125.1	182.9	7.27	5
16:01	4/22/2004	91.91	99.76	83.24	93.77	125.1	125.3	183	7.23	1
16:07	4/22/2004	40.56	40.74	35.66	40.1	125.1	125.4	182.9	7.24	2
16:12	4/22/2004	40.58	45.61	40.09	40.79	125.1	125.5	182.8	7.26	3
16:18	4/22/2004	3.17	3.42	2.63	3.16	125.1	125.4	182.9	7.25	4
16:24	4/22/2004	234.3	261.91	206.07	224.25	125	125.2	182.7	7.25	5
16:29	4/22/2004	98.2	99.12	78.59	90.67	125	125.3	182.9	7.28	1
16:35	4/22/2004	39.54	39.91	35.22	39.23	124.9	125.3	183	7.24	2
16:40	4/22/2004	40.17	44.87	39.75	40.4	124.9	125.1	183	7.26	3
16:46	4/22/2004	3.02	3.25	2.65	3.05	125	125.1	183	7.23	4
16:52	4/22/2004	212.85	254.14	194.61	218.6	125.1	125.2	183	7.29	5
16:57	4/22/2004	84.28	95.16	76.49	87.69	125.3	125.2	183	7.22	1
17:03	4/22/2004	38.89	39.35	34.73	38.75	125.2	125.2	183.1	7.26	2
17:08	4/22/2004	39.08	43.69	38.78	39.45	125	125.3	183.1	7.28	3
17:14	4/22/2004	3.13	3.28	2.45	3.02	125.1	125.1	183.2	7.23	4
17:20	4/22/2004	213.28	245.96	189.97	212.86	125.3	125.2	183.2	7.28	5
17:25	4/22/2004	83.8	95.3	79.76	86.61	125.3	125.4	183.2	7.27	1
17:31	4/22/2004	38.15	38.61	34.63	38	124.9	125.4	183.2	7.25	2
17:37	4/22/2004	38.87	43.03	38.49	39.1	125.2	125.2	183.2	7.28	3
17:42	4/22/2004	3.03	3.05	2.33	2.79	125.3	125.2	183.2	7.23	4
17:48	4/22/2004	205.97	254.49	192.54	212.05	125.2	125.1	183.2	7.24	5
17:53	4/22/2004	85.11	94.97	75.24	86.79	124.9	125.2	183.2	7.28	1

17:59	4/22/2004	38.61	39.02	33.74	38.3	125.1	125.2	183.1	7.26	2
18:05	4/22/2004	39.05	43.54	38.69	39.41	125.1	125.2	183.3	7.3	3
18:10	4/22/2004	3.07	3.08	2.53	2.91	125	125	183.2	7.26	4
18:16	4/22/2004	221.86	247.16	195.3	214.13	124.8	125.1	183.1	7.23	5
18:21	4/22/2004	80.59	94.33	77.45	86.08	124.8	125	183.2	7.27	1
18:27	4/22/2004	38.37	38.65	34.08	38	125	125	183.2	7.26	2
18:33	4/22/2004	38.45	42.54	38.28	38.83	124.8	124.8	183.2	7.28	3
18:38	4/22/2004	3.02	3.1	2.57	2.95	124.6	124.5	183.2	7.24	4
18:44	4/22/2004	199.31	253.03	181.87	203.91	124.9	124.6	183.1	7.26	5
18:49	4/22/2004	87.95	96.14	79.87	86.34	124.6	124.7	183.2	7.25	1
18:55	4/22/2004	38.22	38.57	33.92	38.01	124.9	124.7	183.2	7.23	2
19:01	4/22/2004	38.41	42.64	38.05	38.65	125	124.8	183.3	7.26	3
19:06	4/22/2004	2.94	3.02	2.53	2.91	124.9	124.8	183.3	7.24	4
19:12	4/22/2004	216.62	235.02	181.55	202.81	124.6	124.7	183.3	7.26	5
19:18	4/22/2004	86.21	92.01	73.2	84.68	124.8	124.9	183.3	7.29	1
19:23	4/22/2004	37.1	37.75	33.23	37.08	124.9	124.9	183.3	7.21	2
19:29	4/22/2004	37.33	41.31	36.91	37.5	125	125	183.4	7.24	3
19:34	4/22/2004	2.91	2.99	2.43	2.88	125.1	124.9	183.4	7.27	4
19:40	4/22/2004	204.87	235.47	181.09	202.3	125.1	124.9	183.4	7.2	5
19:46	4/22/2004	75.33	95.3	72.84	82.83	124.8	124.8	183.5	7.28	1
19:51	4/22/2004	36.52	37.11	32.78	36.44	124.8	124.9	183.4	7.24	2
19:57	4/22/2004	36.43	41.28	36.4	37.18	124.8	124.8	183.4	7.27	3
20:02	4/22/2004	2.93	2.98	2.48	2.88	125	124.9	183.4	7.26	4
20:08	4/22/2004	194.99	243.27	175.18	201.46	125.2	125	183.5	7.21	5
20:14	4/22/2004	75.72	87.51	71.02	79.6	125.3	125.1	183.5	7.25	1
20:19	4/22/2004	36.12	36.17	31.85	35.57	125.3	125.2	183.5	7.27	2
20:25	4/22/2004	36.22	40.2	35.88	36.38	125.1	125.1	183.6	7.28	3
20:31	4/22/2004	2.91	2.98	2.48	2.9	125	125.2	183.5	7.21	4
20:36	4/22/2004	193.28	232.83	182.15	201.74	125.2	125.3	183.6	7.22	5
20:42	4/22/2004	81.28	91.42	74.37	81.47	125.2	125.4	183.6	7.2	1
20:47	4/22/2004	36.08	36.36	31.81	35.77	125.2	125.3	183.6	7.26	2
20:53	4/22/2004	36.2	40.06	35.89	36.53	125.2	125.1	183.6	7.26	3
20:59	4/22/2004	3	3.02	2.47	2.93	125.1	125	183.6	7.29	4
21:04	4/22/2004	214.29	237.01	180.84	200.12	125.2	125.1	183.5	7.27	5
21:10	4/22/2004	82.84	91.37	71.83	81.15	125	125	183.4	7.22	1
21:15	4/22/2004	35.99	36.39	31.88	35.86	124.9	125	183.3	7.25	2
21:21	4/22/2004	36.37	40.34	36.06	36.62	124.7	124.7	183.5	7.26	3
21:27	4/22/2004	3.23	3.28	2.71	3.19	125	124.6	183.4	7.22	4
21:32	4/22/2004	190.9	216.68	172.34	193.8	124.6	124.5	183.4	7.24	5
21:38	4/22/2004	84.22	89.7	72.59	79.35	125	125	183.5	7.26	1
21:44	4/22/2004	36.09	36.42	31.88	35.83	124.9	125.4	183.3	7.23	2
21:49	4/22/2004	36.88	40.56	36.23	36.86	125.1	125.4	183.4	7.25	3
21:55	4/22/2004	3.27	3.32	2.76	3.22	125.1	125.3	183.5	7.26	4
22:00	4/22/2004	203.9	228.36	176.36	194.55	125	124.9	183.5	7.2	5
22:06	4/22/2004	80.07	87.6	70.58	79.05	124.9	124.8	183.5	7.27	1
22:12	4/22/2004	36.43	37.05	32.53	36.36	124.8	124.7	183.5	7.22	2
22:17	4/22/2004	37.38	41.18	36.84	37.44	125	124.6	183.4	7.28	3
22:23	4/22/2004	3.33	3.36	2.73	3.24	124.7	124.9	183.4	7.28	4
22:28	4/22/2004	190.13	222.47	175.43	194.08	125	125.1	183.4	7.22	5
22:34	4/22/2004	79.16	89.01	73.25	78.49	124.7	125.2	183.4	7.29	1
22:40	4/22/2004	37.01	37.26	32.63	36.69	125	125.5	183.4	7.24	2
22:45	4/22/2004	37.67	40.92	36.95	37.58	124.7	125.5	183.4	7.24	3
22:51	4/22/2004	3.26	3.29	2.77	3.22	125.2	125.1	183.4	7.24	4
22:57	4/22/2004	192.22	230.49	177.43	191.81	124.7	124.8	183.4	7.28	5
23:02	4/22/2004	76.36	85.59	72.14	78.31	125	124.7	183.4	7.28	1
23:08	4/22/2004	37.04	37.4	32.74	36.81	124.7	124.7	183.3	7.26	2
23:13	4/22/2004	37.41	41.03	37	37.5	125	124.7	183.3	7.23	3
23:19	4/22/2004	3.25	3.29	2.76	3.21	124.7	124.8	183.4	7.26	4
23:25	4/22/2004	181.46	213.91	167.4	188.53	125.1	124.8	183.4	7.29	5
23:30	4/22/2004	76.87	85.96	69.96	76.94	125.1	125.1	183.3	7.28	1
23:36	4/22/2004	36.58	37.02	32.67	36.42	124.8	125	183.3	7.25	2
23:41	4/22/2004	36.7	40.39	36.33	36.9	124.8	125.1	183.5	7.25	3
23:47	4/22/2004	3.26	3.3	2.8	3.22	125	125.1	183.5	7.27	4
23:53	4/22/2004	189.04	213.97	173.78	187.25	125.1	125.1	183.4	7.28	5
23:58	4/22/2004	76.33	82.55	70.61	75.9	125.2	125.2	183.4	7.28	1

0:04	4/23/2004	36.23	36.69	32.11	35.93	125.3	125.1	183.4	7.25	2
0:09	4/23/2004	36.6	40.7	36.35	36.92	125.3	125.1	183.6	7.22	3
0:15	4/23/2004	3.25	3.33	2.75	3.22	124.9	125.2	183.4	7.2	4
0:21	4/23/2004	201.75	213.85	171.42	187.56	125	125.1	183.4	7.25	5
0:26	4/23/2004	75.03	82.61	69.43	76	125	125.2	183.5	7.26	1
0:32	4/23/2004	36.81	37.13	32.93	36.54	125.3	125.3	183.4	7.23	2
0:38	4/23/2004	37.38	41.79	36.99	37.61	125.4	125.3	183.4	7.25	3
0:43	4/23/2004	3.27	3.34	2.74	3.22	125.4	125.3	183.5	7.24	4
0:49	4/23/2004	187.87	217.95	173.48	189.58	125	125.3	183.5	7.28	5
0:54	4/23/2004	78.07	86.33	69.36	77.09	125.3	125.4	183.6	7.25	1
1:00	4/23/2004	37.21	37.61	33.22	36.96	124.9	125.3	183.5	7.24	2
1:06	4/23/2004	37.46	41.2	37.25	37.76	125.3	125	183.5	7.24	3
1:11	4/23/2004	3.26	3.29	2.72	3.19	125	125	183.6	7.22	4
1:17	4/23/2004	188.64	213.56	175.44	187.73	125.1	124.8	183.4	7.27	5
1:22	4/23/2004	77.47	83.13	70	77	124.9	124.8	183.5	7.24	1
1:28	4/23/2004	37.32	38.05	33.53	37.34	125.1	124.7	183.4	7.25	2
1:34	4/23/2004	37.19	41.82	36.92	37.67	124.8	124.6	183.5	7.3	3
1:39	4/23/2004	3.29	3.31	2.78	3.22	125.1	124.8	183.6	7.24	4
1:45	4/23/2004	176.83	218.98	170.47	185.45	124.9	124.8	183.6	7.24	5
1:51	4/23/2004	74.27	83.62	69.76	75.05	125	125	183.4	7.23	1
1:56	4/23/2004	36.73	36.97	32.61	36.43	124.9	125	183.5	7.21	2
2:02	4/23/2004	36.73	40.85	36.29	36.87	124.9	125.1	183.4	7.21	3
2:07	4/23/2004	3.33	3.33	2.78	3.25	125	125.1	183.6	7.26	4
2:13	4/23/2004	166.7	202.69	166.7	181.61	124.6	125	183.4	7.24	5
2:19	4/23/2004	72.59	81.43	67.01	73.85	124.9	125	183.6	7.27	1
2:24	4/23/2004	35.77	36.38	32.05	35.75	124.7	125	183.6	7.24	2
2:30	4/23/2004	35.92	40.23	35.28	35.97	125	125	183.6	7.24	3
2:35	4/23/2004	3.29	3.38	2.83	3.28	124.6	124.9	183.4	7.22	4
2:41	4/23/2004	179.87	210.41	164.03	178.91	125	125	183.6	7.24	5
2:47	4/23/2004	71.7	81.6	65.48	73	124.6	124.9	183.5	7.28	1
2:52	4/23/2004	34.26	36.26	30.5	33.99	125	125	183.5	7.26	2
2:58	4/23/2004	35.01	38.42	34.33	34.91	124.6	125	183.7	7.28	3
3:04	4/23/2004	3.34	3.35	2.81	3.27	124.8	124.9	183.6	7.26	4
3:09	4/23/2004	173.87	205.08	164.85	178.06	124.7	124.9	183.6	7.23	5
3:15	4/23/2004	69.38	80.18	66.35	72.89	125.1	125	183.6	7.24	1
3:20	4/23/2004	34.32	36.01	30.54	34.3	125.1	124.9	183.6	7.24	2
3:26	4/23/2004	35.15	38.73	34.49	35.26	125	124.9	183.7	7.25	3
3:32	4/23/2004	3.33	3.39	2.82	3.3	124.7	124.7	183.6	7.23	4
3:37	4/23/2004	179.66	210.06	164.26	179.7	125.1	124.8	183.7	7.2	5
3:43	4/23/2004	72.2	79.78	66.89	72.77	125.2	124.7	183.6	7.24	1
3:48	4/23/2004	34.85	36.13	31.04	34.78	124.9	124.6	183.5	7.27	2
3:54	4/23/2004	35.66	39.06	34.97	35.76	124.8	124.8	183.5	7.2	3
4:00	4/23/2004	3.35	3.46	2.86	3.33	124.8	124.9	183.4	7.21	4
4:05	4/23/2004	171.68	206.11	164.5	178.85	125	124.9	183.5	7.25	5
4:11	4/23/2004	71.37	79.95	67.74	73.48	124.8	124.8	183.3	7.23	1
4:16	4/23/2004	35.87	36.37	32.03	35.66	125	124.9	183.4	7.29	2
4:22	4/23/2004	35.77	39.92	35.68	36.18	125.2	124.9	183.4	7.26	3
4:28	4/23/2004	3.31	3.34	2.78	3.25	125.2	124.9	183.5	7.25	4
4:33	4/23/2004	169.47	203.57	161.54	178.78	125.2	124.9	183.6	7.23	5
4:39	4/23/2004	71.84	85.51	65.17	72.82	125.2	124.7	183.4	7.27	1
4:45	4/23/2004	34.55	36.18	30.69	34.45	125.2	124.9	183.4	7.22	2
4:50	4/23/2004	34.83	38.29	34.46	34.99	125.2	124.7	183.5	7.25	3
4:56	4/23/2004	3.2	3.28	2.73	3.18	125.1	124.8	183.5	7.26	4
5:01	4/23/2004	170	195.3	160.68	175.28	125.1	124.8	183.5	7.27	5
5:07	4/23/2004	73.79	78.33	65.56	70.94	124.7	124.9	183.5	7.26	1
5:13	4/23/2004	33.9	36.18	30.23	33.92	125	125.1	183.4	7.24	2
5:18	4/23/2004	34.68	38.3	34.26	34.77	125	125.2	183.6	7.29	3
5:24	4/23/2004	3.2	3.25	2.7	3.14	124.9	125.3	183.6	7.24	4
5:29	4/23/2004	186.45	229.71	160.5	174.23	125	125.3	183.5	7.24	5
5:35	4/23/2004	67.2	79.96	62.62	71.06	124.7	125.3	183.4	7.26	1
5:41	4/23/2004	33.75	36.04	30.36	33.68	125	125.4	183.5	7.26	2
5:46	4/23/2004	33.99	37.46	33.63	34.19	124.7	125.3	183.4	7.22	3
5:52	4/23/2004	4.32	4.41	3.23	4.11	124.9	125.2	183.5	7.27	4
5:58	4/23/2004	160.89	197.77	154.12	168.59	124.9	125.2	183.2	7.2	5
6:03	4/23/2004	65.39	77.43	62.27	68.86	124.9	125.3	183.2	7.27	1

6:09	4/23/2004	33.15	39.22	29.55	33.2	124.7	125.3	183.3	7.24	2
6:14	4/23/2004	33.66	37.17	33.18	33.72	124.9	125.3	183.4	7.29	3
6:20	4/23/2004	5.41	6.1	4.59	5.41	125.3	125.3	183.4	7.27	4
6:26	4/23/2004	162.83	194.71	150.4	163.97	125.2	125	183.3	7.22	5
6:31	4/23/2004	68.95	76.04	63.35	68.38	125.3	125	183.4	7.25	1
6:37	4/23/2004	32.7	39.34	29.22	32.49	124.9	124.8	183.4	7.23	2
6:42	4/23/2004	33.45	36.61	33.08	33.54	125	124.7	183.3	7.28	3
6:48	4/23/2004	5.44	5.64	4.7	5.29	125	124.7	183.4	7.26	4
6:54	4/23/2004	162.19	182.98	153.56	164.73	124.8	124.5	183	7.26	5
6:59	4/23/2004	65.21	76.22	62.02	68.54	125	124.6	183	7.23	1
7:05	4/23/2004	33.87	36.06	30.12	33.8	124.6	124.7	183.1	7.26	2
7:11	4/23/2004	34.42	37.51	33.86	34.44	124.9	125	182.9	7.22	3
7:16	4/23/2004	5.33	5.77	4.51	5.26	125.2	125.4	183.1	7.23	4
7:22	4/23/2004	162.09	190.29	152.59	166.02	125.2	125.2	183	7.25	5
7:27	4/23/2004	67.36	74.54	62.91	68.61	125	125.1	183	7.22	1
7:33	4/23/2004	34.23	36.23	29.8	33.94	125.1	125.1	183	7.21	2
7:39	4/23/2004	34.83	38.64	34.68	35.24	125.2	125.2	183	7.29	3
7:44	4/23/2004	5.81	6.2	4.96	5.69	125.2	125.3	183.1	7.22	4
7:50	4/23/2004	174.06	197.84	158.12	169.56	124.9	125.2	182.9	7.2	5
7:55	4/23/2004	67.37	75.55	62.79	67.91	124.8	125.1	182.8	7.21	1
8:01	4/23/2004	34.77	36.12	30.98	34.68	125	125.1	182.7	7.28	2
8:07	4/23/2004	35.61	38.76	35.05	35.56	124.9	125.1	182.8	7.27	3
8:12	4/23/2004	5.78	5.87	5.02	5.76	124.8	125.2	182.6	7.23	4
8:18	4/23/2004	176.16	190.74	157.2	172.51	124.6	124.9	182.6	7.25	5
8:23	4/23/2004	72.68	78.85	65.92	71.68	124.9	125	182.4	7.27	1
8:29	4/23/2004	34.83	39.25	30.65	34.58	124.8	125	182.4	7.26	2
8:35	4/23/2004	35.04	38.78	34.84	35.44	124.9	124.9	182.4	7.23	3
8:40	4/23/2004	4.96	5.07	4.34	4.95	124.9	125.1	182.6	7.26	4
8:46	4/23/2004	167.15	194.17	159.9	171.81	125.1	125.1	182.4	7.27	5
8:52	4/23/2004	68.52	83.16	66.44	71.21	125.2	125.1	182.4	7.28	1
8:57	4/23/2004	34.64	36.05	30.45	34.35	125.2	125	182.5	7.2	2
9:03	4/23/2004	35.28	38.48	34.68	35.22	125.2	124.8	182.6	7.26	3
9:08	4/23/2004	3.43	3.49	2.51	3.21	124.7	124.8	182.6	7.27	4
9:14	4/23/2004	178.7	194.86	163.17	175.05	125	124.6	182.3	7.2	5
9:20	4/23/2004	69.7	78.27	66.51	71.64	124.9	124.7	182.4	7.29	1
9:25	4/23/2004	35.3	36.02	31.16	35.07	124.6	124.7	182.2	7.28	2
9:31	4/23/2004	36.52	40.2	35.93	36.62	124.8	124.7	182.2	7.25	3
9:36	4/23/2004	4.13	4.28	3.6	4.06	124.8	124.7	182.3	7.22	4
9:42	4/23/2004	183.16	198.14	167.87	180.07	124.9	124.8	182.3	7.2	5
9:48	4/23/2004	71.4	77.56	67.08	73	125.1	124.8	182.3	7.26	1
9:53	4/23/2004	37.5	37.65	32.78	37.05	125	124.8	182.4	7.26	2
9:59	4/23/2004	38.32	42.09	37.8	38.39	125.1	125.2	182.4	7.26	3
10:05	4/23/2004	4.14	4.28	3.66	4.1	125.1	125.1	182.2	7.25	4
10:10	4/23/2004	184.15	204.53	169.66	181.54	125.2	125.2	182.3	7.24	5
10:16	4/23/2004	72.93	76.84	66.03	71.59	125.2	125.2	182	7.23	1
10:21	4/23/2004	37.69	37.97	33.42	37.33	125.3	125.3	182.2	7.23	2
10:27	4/23/2004	38.75	42.68	38.32	38.95	125.3	125.1	182.2	7.25	3
10:33	4/23/2004	4.47	4.53	3.74	4.36	125.3	125	182.2	7.27	4
10:38	4/23/2004	178.09	209.54	166.96	180.36	125.3	125.1	182.1	7.27	5
10:44	4/23/2004	72	77.49	68.1	72.58	125.4	125.1	182.1	7.25	1
10:49	4/23/2004	37.75	37.79	33.41	37.19	125.3	125.1	182.1	7.29	2
10:55	4/23/2004	-1.37	42.14	-1.37	17.8	125	125.2	132.1	5.38	3
11:01	4/23/2004	-1.37	-1.37	-1.37	-1.37	124.7	125.3	125.3	3.77	4
11:09	4/23/2004	73.11	75.38	38.08	66.34	123.1	120.2	178.7	7.27	1
11:15	4/23/2004	37.99	38.5	34.65	37.95	125.1	121.9	180.6	7.25	2
11:20	4/23/2004	37.95	42.78	37.77	38.6	126	125.9	181.5	7.25	3
11:26	4/23/2004	4.04	4.09	3.4	3.96	125.3	124.8	182.3	7.24	4
11:32	4/23/2004	170.37	198.62	160.93	173.96	124.6	124.7	182.6	7.32	5
11:37	4/23/2004	71.13	81.36	65.13	70.82	124.5	124.9	182.3	7.27	1
11:43	4/23/2004	37.55	38.03	33.24	37.39	124.8	125.1	182	7.26	2
11:49	4/23/2004	38.19	42.41	37.94	38.48	125.1	125.2	182	7.21	3
11:54	4/23/2004	4.23	4.31	3.66	4.21	125.2	125.3	181.9	7.27	4
12:00	4/23/2004	177.63	200.87	167.6	178.72	125.3	125.1	181.9	7.25	5
12:05	4/23/2004	72.21	82.62	67.64	73.43	125.1	125	181.9	7.29	1
12:11	4/23/2004	37.26	38.01	33.42	37.32	125	125	181.6	7.24	2

12:17	4/23/2004	38.31	43.09	38.03	38.94	125.1	125.1	181.8	7.28	3
12:22	4/23/2004	4.69	4.69	3.48	4.39	125.1	125.1	181.6	7.23	4
12:28	4/23/2004	187.28	213.71	171.88	189.27	125.1	125.2	181.6	7.28	5
12:33	4/23/2004	75.63	84.14	69.62	75.33	125.2	125.3	181.3	7.23	1
12:39	4/23/2004	38.24	38.45	33.7	37.78	125.2	125.4	181.3	7.22	2
12:45	4/23/2004	39.07	43.07	38.42	39.24	125.1	125.3	181.2	7.26	3
12:50	4/23/2004	4.34	4.4	3.74	4.3	125	125.4	181.2	7.25	4
12:56	4/23/2004	183.97	205.45	166.92	181.97	125	125.3	181.2	7.27	5
13:02	4/23/2004	72.6	82.68	67.13	72.92	125	125.3	181	7.22	1
13:07	4/23/2004	38.13	38.45	33.51	37.85	125	125.1	181	7.27	2
13:13	4/23/2004	38.57	43.29	38.32	39.21	125.4	125.1	181.1	7.29	3
13:18	4/23/2004	3.67	3.75	3.21	3.65	125	125.3	181.1	7.22	4
13:24	4/23/2004	185.6	208.47	172.89	188.86	125.4	125.4	181	7.22	5
13:30	4/23/2004	78.98	86.23	68.79	76.64	125.2	125.4	180.8	7.23	1
13:35	4/23/2004	38.44	38.86	34.07	38.17	125.2	125.2	180.8	7.26	2
13:41	4/23/2004	39	43.4	38.87	39.6	125.1	124.8	180.6	7.21	3
13:46	4/23/2004	3.11	3.15	2.63	3.07	125	124.8	180.8	7.26	4
13:52	4/23/2004	198.23	212.23	173.25	190.43	125	124.8	180.6	7.24	5
13:58	4/23/2004	78.08	83.01	68.45	75.64	124.8	124.6	180.5	7.22	1
14:03	4/23/2004	38.15	38.4	33.51	37.76	124.8	124.8	180.8	7.25	2
14:09	4/23/2004	39.26	43.01	38.8	39.37	124.9	125	180.9	7.25	3
14:15	4/23/2004	3.36	4.09	2.72	3.35	125	125	181	7.24	4
14:20	4/23/2004	185.07	216.63	168.66	184.63	125.1	125.2	181.1	7.24	5
14:26	4/23/2004	74.36	80.21	69.79	74.54	125.1	125.3	181	7.27	1
14:31	4/23/2004	37.85	38.91	33.74	37.91	125.4	125.3	180.9	7.28	2
14:37	4/23/2004	38.75	42.71	38.36	38.96	125.5	125.2	181.1	7.28	3
14:43	4/23/2004	4.36	6.67	2.74	4.68	125.2	125.4	180.9	7.26	4
14:48	4/23/2004	182.54	211.89	164.7	181.32	125.2	125.1	180.9	7.26	5
14:54	4/23/2004	70.86	79.65	66.75	73.36	125.2	124.9	180.7	7.25	1
14:59	4/23/2004	37.49	37.7	32.86	37.11	124.9	124.7	180.6	7.27	2
15:05	4/23/2004	38.7	42.31	38.26	38.78	124.8	124.9	180.8	7.25	3
15:11	4/23/2004	4.67	6.69	3.02	4.73	124.8	124.6	180.7	7.24	4
15:16	4/23/2004	185.75	214.82	173.94	189.37	124.8	124.8	180.6	7.23	5
15:22	4/23/2004	70.55	82.56	67.1	72.85	125.3	124.9	180.7	7.27	1
15:27	4/23/2004	37.36	37.64	33.34	36.99	125.2	125	180.8	7.23	2
15:33	4/23/2004	38.54	42.35	37.88	38.48	125	124.9	181.1	7.25	3
15:39	4/23/2004	6.9	7	3.45	5.17	125.5	125.1	181.4	7.27	4
15:44	4/23/2004	190.66	199.56	168.34	180.7	125.4	125.2	181.5	7.23	5
15:50	4/23/2004	75.97	79.65	66.41	72.57	125.4	125.2	181.5	7.28	1
15:56	4/23/2004	36.68	36.94	32.86	36.48	125	125	181.5	7.23	2
16:01	4/23/2004	37.08	41.26	36.69	37.34	125.1	125.1	181.7	7.24	3
16:07	4/23/2004	4.25	6.54	3.14	4.6	125.2	125.1	181.6	7.25	4
16:12	4/23/2004	177.95	212.84	164.38	175.42	125.2	125.1	181.6	7.24	5
16:18	4/23/2004	73.33	80.03	65.16	71.86	125.1	125.1	181.6	7.23	1
16:24	4/23/2004	36.11	36.56	32.12	36.03	125	125.2	181.5	7.24	2
16:29	4/23/2004	37.34	41.03	37.12	37.74	124.8	125.1	181.7	7.27	3
16:35	4/23/2004	5.82	6.21	3.98	5.12	124.6	124.8	181.7	7.28	4
16:40	4/23/2004	184.55	218.51	167.55	182.56	125	125.1	181.8	7.26	5
16:46	4/23/2004	70.99	80.99	66.65	73.06	125.1	125	181.8	7.24	1
16:52	4/23/2004	35.46	39.19	31.43	35.43	125	124.8	181.6	7.24	2
16:57	4/23/2004	36.79	40.82	36.33	36.95	124.8	124.8	181.9	7.25	3
17:03	4/23/2004	5.9	6.48	4.7	5.44	125.1	124.9	182	7.25	4
17:09	4/23/2004	178.51	216.83	166.43	183.32	125.2	125	182.1	7.27	5
17:14	4/23/2004	72.09	84.12	67.97	74	124.9	124.9	182	7.26	1
17:20	4/23/2004	35.72	36.16	31.49	35.55	125.1	125.1	181.9	7.27	2
17:25	4/23/2004	36.69	40.61	36.19	36.92	125.4	125.2	182.1	7.27	3
17:31	4/23/2004	5.32	6.16	4.7	5.16	125	124.9	182.1	7.28	4
17:37	4/23/2004	182.99	203.93	161.32	174.78	125.1	125	182.1	7.27	5
17:42	4/23/2004	74.4	88.99	63.22	72.68	125.5	125.2	182.1	7.28	1
17:48	4/23/2004	35.73	36.35	31.87	35.64	125.4	125.3	182	7.23	2
17:53	4/23/2004	36.79	41.07	36.65	37.29	125.2	125.2	182.2	7.25	3
17:59	4/23/2004	5.4	6.24	4.39	5.19	125.3	125.2	182.2	7.27	4
18:05	4/23/2004	178.12	200.61	158.93	178.3	125	125.1	182.1	7.23	5
18:10	4/23/2004	69.46	83.81	66.51	71.88	124.6	124.9	182.1	7.23	1
18:16	4/23/2004	36.28	36.57	32.08	36.04	124.5	124.8	181.9	7.22	2

18:22	4/23/2004	37.16	41.23	36.87	37.5	124.9	124.9	182.1	7.25	3
18:27	4/23/2004	3.75	4.94	3.6	4.28	125	124.9	182.1	7.23	4
18:33	4/23/2004	162.84	195.13	156.64	170.23	124.9	124.6	182	7.23	5
18:38	4/23/2004	65.35	77.9	63.33	68.91	124.9	124.7	182	7.24	1
18:44	4/23/2004	35.35	36.08	31.28	35.21	125	124.9	182.1	7.26	2
18:50	4/23/2004	35.87	40.33	35.67	36.41	124.9	124.8	182.2	7.29	3
18:55	4/23/2004	3.73	3.78	3.24	3.68	124.9	124.7	182.1	7.23	4
19:01	4/23/2004	167.65	186.58	149.67	164.16	124.9	124.8	182.2	7.26	5
19:06	4/23/2004	69.37	74.86	60.86	67.09	124.9	124.9	182.2	7.22	1
19:12	4/23/2004	34.31	36.01	30.48	34.24	124.9	124.9	182.1	7.23	2
19:18	4/23/2004	35.08	39.16	34.86	35.39	124.9	124.8	182.2	7.24	3
19:23	4/23/2004	3.79	3.91	3.13	3.73	125	125	182.4	7.22	4
19:29	4/23/2004	150.18	208.37	150.15	162.94	124.9	125	182.2	7.3	5
19:35	4/23/2004	62.22	74.17	61.45	66.17	124.9	124.9	182.3	7.23	1
19:40	4/23/2004	33.74	35.91	29.79	33.67	125	125.1	182.3	7.22	2
19:46	4/23/2004	34.53	38.85	34.42	35.09	125.2	125.2	182.5	7.28	3
19:51	4/23/2004	4.04	4.18	3.36	3.99	125.3	125	182.5	7.25	4
19:57	4/23/2004	160.02	186.43	145.89	161.24	125.2	125	182.4	7.29	5
20:03	4/23/2004	66.5	76.58	59.1	66.61	125	125.1	182.4	7.28	1
20:08	4/23/2004	33.7	36.61	29.62	33.44	125.2	125.1	182.4	7.25	2
20:14	4/23/2004	34.31	37.89	33.97	34.49	125.4	125.1	182.5	7.2	3
20:19	4/23/2004	4.06	4.13	3.4	3.98	124.9	125	182.4	7.27	4
20:25	4/23/2004	146.11	204.27	146.11	160.01	125.3	125.3	182.6	7.23	5
20:31	4/23/2004	64.34	76.05	58.64	65.6	125.3	125.2	182.5	7.23	1
20:36	4/23/2004	33.78	36	29.09	33.17	125	125.2	182.5	7.25	2
20:42	4/23/2004	34.4	38.31	34.19	34.71	124.9	125.3	182.5	7.25	3
20:47	4/23/2004	4.08	4.19	3.49	4.06	124.9	125.4	182.6	7.27	4
20:53	4/23/2004	153.31	188.65	144.61	158.74	125.1	125.4	182.6	7.28	5
20:59	4/23/2004	63.81	74.11	60.42	65.61	125.2	125	182.4	7.28	1
21:04	4/23/2004	34.18	36.66	29.51	33.52	125.1	125	182.5	7.29	2
21:10	4/23/2004	34.73	38.55	34.68	35.32	125.2	125	182.5	7.23	3
21:16	4/23/2004	4.17	4.2	3.48	4.08	125.2	125.1	182.6	7.29	4
21:21	4/23/2004	159.94	192.65	146.01	160.12	125	125	182.7	7.31	5
21:27	4/23/2004	69.25	81.02	61.13	66.98	125	124.9	182.5	7.22	1
21:32	4/23/2004	34.47	36.11	30.24	34.08	124.9	124.9	182.4	7.23	2
21:38	4/23/2004	35.56	38.85	34.8	35.39	124.8	124.9	182.6	7.22	3
21:44	4/23/2004	4.18	4.22	3.56	4.13	124.8	125	182.5	7.22	4
21:49	4/23/2004	159.51	180.87	146.09	160.26	125.1	125	182.7	7.3	5
21:55	4/23/2004	63.68	73.44	61.87	66.08	125.2	125.1	182.5	7.19	1
22:00	4/23/2004	34.79	36.12	30.63	34.4	125.2	125	182.4	7.25	2
22:06	4/23/2004	35.14	39.2	34.86	35.47	125.2	125	182.6	7.25	3
22:12	4/23/2004	4.27	4.32	3.59	4.21	125.1	124.8	182.6	7.28	4
22:17	4/23/2004	169.65	186.52	146.63	160.02	125.1	125	182.8	7.23	5
22:23	4/23/2004	67.49	74.6	59.58	65.71	125	124.9	182.6	7.27	1
22:29	4/23/2004	34.11	36.01	30.2	34.12	124.9	124.9	182.5	7.26	2
22:34	4/23/2004	35.21	38.8	34.9	35.42	124.7	124.8	182.6	7.24	3
22:40	4/23/2004	4.4	4.4	3.69	4.29	124.9	124.7	182.7	7.29	4
22:45	4/23/2004	158.94	187.6	144.62	157.83	125.1	124.8	182.6	7.29	5
22:51	4/23/2004	68.89	77.13	59.7	65.31	124.5	124.7	182.5	7.24	1
22:57	4/23/2004	34.77	36.18	30.06	34.23	124.8	124.8	182.5	7.28	2
23:02	4/23/2004	35.29	39.21	35.07	35.74	125.1	124.8	182.7	7.25	3
23:08	4/23/2004	4.44	4.5	3.79	4.37	124.7	124.9	182.6	7.25	4
23:13	4/23/2004	150.28	181.6	144.96	158.29	124.9	125.1	182.7	7.26	5
23:19	4/23/2004	64.57	72.32	59.44	66.44	125.1	124.9	182.7	7.27	1
23:25	4/23/2004	35.02	36.51	30.88	34.82	125.2	125.1	182.6	7.27	2
23:30	4/23/2004	35.63	39.33	35.28	35.77	124.9	125.3	182.7	7.26	3
23:36	4/23/2004	4.51	4.61	3.78	4.43	125.2	125.2	182.6	7.26	4
23:42	4/23/2004	158.74	188.5	146.27	159.36	125.4	125.1	182.8	7.3	5
23:47	4/23/2004	64.44	72.35	60.67	65.93	125	125.2	182.8	7.24	1
23:53	4/23/2004	34.79	36.15	30.96	34.62	125	125.2	182.7	7.24	2
23:58	4/23/2004	35.4	39.58	35.31	35.83	125.2	125.1	182.8	7.23	3
0:04	4/24/2004	4.53	4.56	3.89	4.46	125.3	125	182.9	7.26	4
0:10	4/24/2004	158.74	194.88	143.59	157.97	124.9	125.2	182.8	7.23	5
0:15	4/24/2004	68.06	73.51	59.24	65.5	125.2	125.3	182.8	7.21	1
0:21	4/24/2004	35.14	35.9	30.88	34.89	125.3	125.1	182.6	7.27	2

0:26	4/24/2004	35.47	39.47	35.08	35.91	125.1	125.1	182.9	7.26	3
0:32	4/24/2004	4.58	4.66	3.87	4.52	125	125.1	182.8	7.24	4
0:38	4/24/2004	150.36	208.38	140.26	157.47	125.1	125.1	182.8	7.24	5
0:43	4/24/2004	63.35	73.23	59.24	64.59	125.2	125	182.8	7.21	1
0:49	4/24/2004	34.64	36.19	30.29	34.34	124.8	125.1	182.7	7.25	2
0:54	4/24/2004	36.09	39.52	35.34	36.11	125	125.1	182.9	7.29	3
1:00	4/24/2004	4.66	4.7	3.94	4.58	125.1	124.9	182.8	7.27	4
1:06	4/24/2004	154.9	190.6	147.36	159.04	124.9	124.8	182.7	7.27	5
1:11	4/24/2004	68.9	78.5	59.96	65.74	124.8	125	182.7	7.21	1
1:17	4/24/2004	36.09	36.36	31.67	35.68	125	125	182.6	7.21	2
1:23	4/24/2004	36.96	40.26	36.18	36.79	125	125	182.8	7.29	3
1:28	4/24/2004	4.7	4.76	3.98	4.64	124.7	124.8	182.8	7.25	4
1:34	4/24/2004	153.86	181.09	144.28	158.71	124.8	125	182.8	7.29	5
1:39	4/24/2004	60.87	70.47	60.67	65.92	125	124.9	182.8	7.23	1
1:45	4/24/2004	36.04	36.55	31.85	35.92	124.9	124.6	182.7	7.22	2
1:51	4/24/2004	36.5	40.48	36	36.68	124.8	124.7	182.8	7.27	3
1:56	4/24/2004	4.78	4.83	4.06	4.72	125.1	124.8	182.8	7.24	4
2:02	4/24/2004	152.66	174.85	145.2	156.55	124.7	124.9	182.7	7.18	5
2:07	4/24/2004	66.48	72.99	61.26	66.32	125	124.9	182.7	7.21	1
2:13	4/24/2004	36.05	36.77	31.88	36.13	125.3	125	182.8	7.28	2
2:19	4/24/2004	36.59	40.68	36.44	37.03	124.9	124.9	182.9	7.25	3
2:24	4/24/2004	4.84	4.93	4.13	4.8	125.1	124.8	182.8	7.24	4
2:30	4/24/2004	158.91	186.69	143.91	158.38	125.3	125	183	7.29	5
2:36	4/24/2004	64.5	73.13	60.36	65.04	125.1	124.9	182.9	7.22	1
2:41	4/24/2004	35.57	36.13	31.49	35.38	124.9	125.1	182.9	7.23	2
2:47	4/24/2004	36.42	40.37	36.2	36.73	125.2	124.8	183	7.22	3
2:52	4/24/2004	5.06	5.08	4.23	4.95	125.3	125	183.1	7.24	4
2:58	4/24/2004	155.21	177.64	144.81	157.2	124.8	124.9	182.9	7.21	5
3:04	4/24/2004	68.77	79.73	59.18	65.51	125.1	124.8	182.9	7.22	1
3:09	4/24/2004	35.58	36.15	31.71	35.41	125.2	124.9	182.8	7.21	2
3:15	4/24/2004	35.98	39.87	35.96	36.53	124.8	124.8	183	7.22	3
3:20	4/24/2004	5.19	5.28	4.43	5.13	124.9	124.7	183	7.24	4
3:26	4/24/2004	152.45	186.12	143.51	155.12	125.1	124.8	183	7.31	5
3:32	4/24/2004	64.92	72.79	57.52	64.82	124.8	124.7	182.8	7.27	1
3:37	4/24/2004	34.83	36.6	31.07	34.93	124.8	124.8	182.9	7.24	2
3:43	4/24/2004	35.86	38.99	34.75	35.58	125	124.6	182.9	7.23	3
3:49	4/24/2004	5.38	5.41	4.58	5.29	125	124.9	182.9	7.28	4
3:54	4/24/2004	150.89	194.4	136.1	151.29	124.7	124.9	182.9	7.21	5
4:00	4/24/2004	61.54	71.78	57.61	62.52	125	125.2	182.9	7.25	1
4:05	4/24/2004	34.13	36.12	30.05	33.89	125.2	125.1	182.8	7.27	2
4:11	4/24/2004	34.88	38.91	34.7	35.35	124.9	125.3	182.8	7.26	3
4:17	4/24/2004	5.49	5.53	4.66	5.4	125.1	125.1	182.9	7.24	4
4:22	4/24/2004	145.66	182.11	132.77	147.12	125.3	125.2	182.8	7.32	5
4:28	4/24/2004	61.93	70.9	54.45	62.28	125.2	125	182.8	7.27	1
4:33	4/24/2004	34.47	35.94	30.82	34.33	124.9	125.1	182.9	7.27	2
4:39	4/24/2004	33.74	38.45	33.55	34.44	125.2	125	182.8	7.21	3
4:45	4/24/2004	5.53	5.59	4.73	5.45	125.2	124.9	182.9	7.23	4
4:50	4/24/2004	137.29	179.61	130.74	143.93	124.8	125	183	7.29	5
4:56	4/24/2004	54.23	67.58	53.72	58.66	125.1	124.8	183	7.24	1
5:01	4/24/2004	31.45	32.09	28.57	31.51	125.3	125	182.9	7.28	2
5:07	4/24/2004	32.16	35.68	31.64	32.23	124.8	124.7	183	7.23	3
5:13	4/24/2004	5.16	5.23	4.46	5.11	124.8	124.7	183.1	7.23	4
5:18	4/24/2004	148.53	173.76	126.97	139.86	124.9	124.8	183	7.24	5
5:24	4/24/2004	56.71	68.81	51.07	58.59	124.8	124.8	183.1	7.26	1
5:30	4/24/2004	32.41	35.98	28.09	31.93	124.4	124.8	183.1	7.24	2
5:35	4/24/2004	32.62	36.65	32.39	32.99	124.6	124.7	183.1	7.22	3
5:41	4/24/2004	4.35	4.53	3.73	4.32	124.6	124.9	183.1	7.29	4
5:46	4/24/2004	145.09	176.72	126.15	139.58	124.6	125	183	7.27	5
5:52	4/24/2004	60.45	65.52	51.85	59.04	124.9	125.1	183.2	7.24	1
5:58	4/24/2004	32.67	36.56	28.47	32.23	125	125	183.1	7.25	2
6:03	4/24/2004	33.11	36.63	32.67	33.31	125.4	125.1	183.2	7.3	3
6:09	4/24/2004	3.83	3.99	3.37	3.81	125.4	125.2	183.2	7.21	4
6:14	4/24/2004	146.77	169.08	129.78	144.48	125.4	125.3	183.2	7.24	5
6:20	4/24/2004	62.28	67.65	55.76	60.55	125.1	125.2	183.2	7.24	1
6:26	4/24/2004	34.16	35.97	29.8	33.84	124.9	125.2	183.1	7.27	2

6:31	4/24/2004	34.86	38.65	34.44	35.03	125.1	125.2	183.1	7.28	3
6:37	4/24/2004	3.49	3.6	3.01	3.47	125.2	125.2	183.2	7.22	4
6:43	4/24/2004	173.72	173.72	127.7	139.36	124.9	125.2	183.1	7.26	5
6:48	4/24/2004	60.55	64.8	51.83	57.9	124.9	125.3	183.1	7.22	1
6:54	4/24/2004	33.62	36.13	30.02	33.49	125	125.1	183	7.21	2
6:59	4/24/2004	33.99	37.88	33.95	34.53	125.2	125	183	7.24	3
7:05	4/24/2004	2.94	3.03	2.4	2.89	124.8	124.9	183	7.28	4
7:11	4/24/2004	130.61	163.78	123.4	136.9	124.7	125	182.9	7.27	5
7:16	4/24/2004	57.39	66.28	52.99	57.83	124.8	125	182.9	7.22	1
7:22	4/24/2004	33.23	35.95	29.47	32.99	124.7	124.8	182.8	7.24	2
7:27	4/24/2004	33.89	37.96	33.46	34.07	124.6	124.6	182.9	7.27	3
7:33	4/24/2004	2.71	2.87	2.36	2.72	124.7	124.7	182.9	7.25	4
7:39	4/24/2004	134.33	153.85	119.79	134.66	124.7	124.8	182.8	7.29	5
7:44	4/24/2004	58.12	62.54	51.75	56.83	124.9	124.7	182.8	7.25	1
7:50	4/24/2004	34.18	36.04	29.76	33.84	125	124.7	182.8	7.25	2
7:56	4/24/2004	35.09	38.46	34.51	35.03	124.9	124.6	182.8	7.29	3
8:01	4/24/2004	2.95	3	2.45	2.88	124.8	124.6	182.7	7.27	4
8:07	4/24/2004	148.35	158.84	124.6	137.25	124.7	124.7	182.8	7.29	5
8:12	4/24/2004	57.43	63.2	52.76	57.89	125	124.8	182.7	7.22	1
8:18	4/24/2004	34.39	35.96	30.46	34.27	124.8	124.9	182.6	7.23	2
8:24	4/24/2004	35.03	38.51	34.86	35.61	125.1	125.2	182.6	7.24	3
8:29	4/24/2004	2.96	2.99	2.28	2.82	124.9	125.3	182.5	7.28	4
8:35	4/24/2004	132.42	158.71	126.5	138.1	125.3	125.4	182.6	7.22	5
8:40	4/24/2004	56.28	64.67	54.93	58.79	125	125.3	182.7	7.29	1
8:46	4/24/2004	35.54	36.15	31.01	35.1	125.4	125.3	182.4	7.22	2
8:52	4/24/2004	36.4	39.63	35.91	36.41	125.1	125.1	182.6	7.28	3
8:57	4/24/2004	2.85	2.89	2.31	2.75	125.5	125	182.5	7.22	4
9:03	4/24/2004	139.36	159.25	126.36	138.2	125.2	125.1	182.5	7.26	5
9:08	4/24/2004	55.85	63.99	52.83	57.51	125.1	125.2	182.6	7.21	1
9:14	4/24/2004	35.06	36.07	30.91	35.17	125.2	125.1	182.5	7.24	2
9:20	4/24/2004	35.42	39.81	35.26	35.81	125.3	125.2	182.5	7.27	3
9:25	4/24/2004	2.71	2.8	2.31	2.7	124.9	125.1	182.5	7.28	4
9:31	4/24/2004	130.92	155.13	122.75	135.61	125.1	125.2	182.3	7.22	5
9:37	4/24/2004	59.1	65.72	53.61	57.83	125.4	125.4	182.5	7.24	1
9:42	4/24/2004	34.99	36.18	31.07	34.68	125.3	125.3	182.5	7.23	2
9:48	4/24/2004	35.5	39.54	35.3	36.02	125.1	125.3	182.4	7.21	3
9:53	4/24/2004	2.79	2.86	2.31	2.7	125.2	125.3	182.4	7.28	4
9:59	4/24/2004	135.93	153.38	125.18	136.15	125.3	125.4	182.4	7.32	5
10:05	4/24/2004	58.57	63.88	53.55	58.95	125.2	125.2	182.2	7.19	1
10:10	4/24/2004	36.33	36.56	31.21	35.74	125	125.1	182.2	7.27	2
10:16	4/24/2004	37.16	40.94	36.71	37.43	125.2	124.9	182.3	7.27	3
10:21	4/24/2004	3.41	3.52	2.81	3.35	125.3	125	182.3	7.23	4
10:27	4/24/2004	136.37	159.36	132.46	144.19	125	124.9	182.2	7.23	5
10:33	4/24/2004	62.8	66.36	53.15	59.81	124.9	125	182.1	7.22	1
10:38	4/24/2004	36.58	36.74	32.14	36.11	125.1	124.9	182.2	7.27	2
10:44	4/24/2004	37.23	41.35	36.26	37.17	125	124.8	182.1	7.26	3
10:50	4/24/2004	4.01	4.05	3.31	3.89	124.9	124.9	182.1	7.22	4
10:55	4/24/2004	138.39	171.59	129.24	142.95	125.1	124.7	182.2	7.27	5
11:01	4/24/2004	63.29	65.25	54.46	59.56	125.2	124.9	182.2	7.23	1
11:06	4/24/2004	36.24	36.55	31.82	35.97	125	125	182.1	7.27	2
11:12	4/24/2004	37.13	40.69	36.81	37.48	125.2	124.9	182.2	7.25	3
11:18	4/24/2004	4.51	4.53	3.71	4.32	125.4	125	182.2	7.23	4
11:23	4/24/2004	144.19	168.31	135.13	147.3	124.9	124.8	182.1	7.28	5
11:29	4/24/2004	65.46	69.52	58.17	62.93	125	125	182.2	7.27	1
11:34	4/24/2004	37.91	38.34	33.41	37.55	125.1	124.8	182.1	7.26	2
11:40	4/24/2004	38.72	42.66	38.01	38.76	125.1	124.8	182.2	7.2	3
11:46	4/24/2004	4.84	5.06	4.07	4.79	124.8	124.8	182.2	7.25	4
11:51	4/24/2004	158.72	167.47	140.35	153.69	125.1	124.7	182.2	7.21	5
11:57	4/24/2004	64.81	71.59	59.21	64.82	125.1	124.9	182.2	7.22	1
12:03	4/24/2004	38.81	39.21	34.1	38.57	124.8	124.8	182.1	7.25	2
12:08	4/24/2004	40.24	43.52	39.47	40.06	125.2	124.9	182.2	7.22	3
12:14	4/24/2004	5.46	5.55	4.51	5.27	125.3	125	182.2	7.23	4
12:19	4/24/2004	157.38	178.46	143.12	158.8	125.1	124.9	182.3	7.3	5
12:25	4/24/2004	63.96	72.34	61.27	65.88	125.1	125.1	182.3	7.26	1
12:31	4/24/2004	39.89	40.72	35.9	39.93	125.4	125.2	182.1	7.21	2

12:36	4/24/2004	41.13	45.11	40.58	41.35	125.3	125.2	182.3	7.25	3
12:42	4/24/2004	5.57	5.69	4.78	5.48	125.2	125.2	182.3	7.28	4
12:47	4/24/2004	155.91	182.07	148.16	159.52	125.4	125	182.4	7.22	5
12:53	4/24/2004	68.97	75.27	60.99	66.81	125.4	125.3	182.4	7.24	1
12:59	4/24/2004	40.78	40.98	35.4	40.07	125.2	125.2	182.4	7.28	2
13:04	4/24/2004	41.11	45.35	40.22	41.09	125.4	125.3	182.6	7.27	3
13:10	4/24/2004	5.84	5.99	4.92	5.75	125.7	125.3	182.5	7.22	4
13:16	4/24/2004	153.05	177.65	146.59	159.11	125.4	125.2	182.6	7.2	5
13:21	4/24/2004	60.44	72.92	60.33	65.75	124.9	125	182.6	7.23	1
13:27	4/24/2004	39.22	40.41	35.22	39.53	124.6	125.1	182.3	7.23	2
13:32	4/24/2004	41.03	45.09	40.23	40.93	124.6	125	182.4	7.26	3
13:38	4/24/2004	5.86	6	5.12	5.86	124.9	124.8	182.3	7.2	4
13:44	4/24/2004	162.02	183.74	142.76	156.88	124.9	124.7	182.4	7.29	5
13:49	4/24/2004	69.37	75.22	61.65	67.76	124.7	124.9	182.3	7.23	1
13:55	4/24/2004	40.38	40.81	35.87	40.19	125.1	125	182.2	7.23	2
14:00	4/24/2004	41.18	45.94	40.95	41.7	125	125	182.3	7.28	3
14:06	4/24/2004	5.96	5.99	5.17	5.85	124.9	125.2	182.4	7.22	4
14:12	4/24/2004	150.17	179.71	142.9	156.88	125.3	125.1	182.5	7.22	5
14:17	4/24/2004	67.04	74.33	60.5	65.94	125.1	125.2	182.5	7.27	1
14:23	4/24/2004	41.46	41.48	36.24	40.76	125.1	125.4	182.4	7.27	2
14:28	4/24/2004	41.51	45.64	41.06	41.79	125.3	125.1	182.5	7.23	3
14:34	4/24/2004	5.82	5.94	5	5.75	125	125.3	182.4	7.26	4
14:40	4/24/2004	159.36	183.48	142.4	156.33	125.3	125.1	182.4	7.28	5
14:45	4/24/2004	71.75	73.91	61.56	68.08	125.3	125.2	182.5	7.26	1
14:51	4/24/2004	40.46	41.23	35.89	40.39	125	125.3	182.5	7.22	2
14:57	4/24/2004	41.02	45.04	40.47	41.2	124.9	125.2	182.5	7.28	3
15:02	4/24/2004	5.72	5.82	4.92	5.67	124.9	125.2	182.4	7.21	4
15:08	4/24/2004	157.49	177.7	142.03	155.45	125.1	125.1	182.4	7.26	5
15:13	4/24/2004	67.21	78.24	61.55	67.11	125.1	125.2	182.4	7.23	1
15:19	4/24/2004	40.16	40.56	35.86	39.95	125.2	125.3	182.3	7.24	2
15:25	4/24/2004	41.48	45.76	41.06	41.78	125.2	125.2	182.4	7.23	3
15:30	4/24/2004	5.82	5.86	4.96	5.67	125.3	125.4	182.4	7.26	4
15:36	4/24/2004	153.25	177.09	141.36	154.21	125.2	125.1	182.4	7.22	5
15:41	4/24/2004	63.95	73.85	60.45	66.63	125.1	125.3	182.2	7.2	1
15:47	4/24/2004	41.49	41.59	36.16	40.83	125.1	125.2	182.3	7.24	2
15:53	4/24/2004	42.62	46.89	41.79	42.52	125.1	125.2	182.4	7.26	3
15:58	4/24/2004	5.6	5.72	4.8	5.55	125.1	125.3	182.2	7.25	4
16:04	4/24/2004	206.34	230.79	181.48	202.06	125.1	125.2	182.2	7.27	5
16:10	4/24/2004	94.41	96.31	78.67	88.92	125	125.3	182.3	7.23	1
16:15	4/24/2004	45.59	45.68	39.83	44.82	125	125.1	182.3	7.27	2
16:21	4/24/2004	48.08	51.81	46.64	47.5	124.9	125.2	182.2	7.26	3
16:26	4/24/2004	5.46	5.58	4.74	5.42	124.9	125.2	182.3	7.27	4
16:32	4/24/2004	202.39	244.6	194.96	211.48	124.9	125.1	182.3	7.27	5
16:38	4/24/2004	81.78	94.4	78.88	87.05	124.7	125.1	182.3	7.26	1
16:43	4/24/2004	46.25	47.93	42.47	46.8	124.7	125	182.1	7.23	2
16:49	4/24/2004	46.04	51.82	45.9	46.63	124.6	125	182.3	7.21	3
16:54	4/24/2004	5.4	5.45	4.63	5.32	124.9	124.9	182.2	7.26	4
17:00	4/24/2004	199.74	222.24	177.03	194.11	125	124.9	182.1	7.26	5
17:06	4/24/2004	87.38	94.89	74.49	82.81	124.7	124.9	182.1	7.23	1
17:11	4/24/2004	48.08	48.4	40.85	46.65	125	124.9	182.1	7.23	2
17:17	4/24/2004	49.16	54.64	48.81	49.54	124.8	124.9	182.3	7.26	3
17:23	4/24/2004	5.35	5.47	4.68	5.31	124.7	124.9	182.2	7.23	4
17:28	4/24/2004	192.04	235.64	185.14	198.04	125	124.7	182.2	7.3	5
17:34	4/24/2004	86.83	93.58	77.83	83.36	124.7	124.9	182.2	7.26	1
17:39	4/24/2004	48.04	48.41	42.94	47.73	124.7	124.7	182.1	7.27	2
17:45	4/24/2004	47.9	54.5	47.54	48.76	125	124.8	182.2	7.24	3
17:51	4/24/2004	5.25	5.3	4.59	5.2	124.5	124.9	182.2	7.27	4
17:56	4/24/2004	191.98	215.52	180.35	191.17	124.8	124.8	182.2	7.2	5
18:02	4/24/2004	81.32	90.31	75.54	81.91	124.9	124.9	182.2	7.23	1
18:07	4/24/2004	46.7	47.15	40.98	46.34	124.5	124.8	182.1	7.25	2
18:13	4/24/2004	47.42	52.97	46.96	47.88	124.7	124.9	182.2	7.22	3
18:19	4/24/2004	5.18	5.21	4.49	5.12	125	125	182.2	7.28	4
18:24	4/24/2004	195.29	218.76	182.15	194.63	124.5	124.8	182.2	7.24	5
18:30	4/24/2004	85.86	86.58	74.7	81.36	124.7	125.1	182.2	7.24	1
18:35	4/24/2004	48.97	49.31	41.97	47.84	125	124.9	182.1	7.27	2

18:41	4/24/2004	49	54.64	48.69	49.7	125	125	182.3	7.26	3
18:47	4/24/2004	5.13	5.19	4.45	5.09	124.7	125.1	182.2	7.25	4
18:52	4/24/2004	197.9	249.39	179.33	197.96	124.9	125	182.1	7.23	5
18:58	4/24/2004	89.8	93.28	75.7	84.22	125	125.1	182.2	7.22	1
19:04	4/24/2004	51.17	51.11	43.39	49.74	124.6	124.9	182.1	7.27	2
19:09	4/24/2004	53.46	58.08	52.21	53.3	124.8	125.1	182.1	7.21	3
19:15	4/24/2004	5.15	5.22	4.48	5.11	125	125	182	7.24	4
19:20	4/24/2004	219.06	232.16	192.64	207.5	124.9	125.1	182	7.23	5
19:26	4/24/2004	83.67	93.83	81.7	87.35	124.7	125.2	182.1	7.27	1
19:32	4/24/2004	52.13	53.38	47.05	52.18	125	125.1	182	7.27	2
19:37	4/24/2004	52.66	58.55	52.17	53.03	125.1	125.2	182.2	7.23	3
19:43	4/24/2004	5.21	5.22	4.44	5.11	124.7	125.2	182.1	7.28	4
19:48	4/24/2004	208.26	240.22	183.73	198.75	125	125.2	182.1	7.23	5
19:54	4/24/2004	85.45	97.81	77.35	84.29	125.1	125.2	182.1	7.24	1
20:00	4/24/2004	50.91	51.44	44.64	50.18	124.7	125.2	182	7.26	2
20:05	4/24/2004	51.01	56.69	50.26	51.1	124.9	125.3	182.1	7.21	3
20:11	4/24/2004	5.26	5.28	4.5	5.18	125.1	125.1	182	7.27	4
20:17	4/24/2004	197.11	224.15	183.27	200.4	124.9	125.2	181.9	7.2	5
20:22	4/24/2004	86.18	99.49	80.23	85.96	124.7	125.2	182	7.24	1
20:28	4/24/2004	52.38	52.71	45.95	51.95	125.1	125.3	181.9	7.21	2
20:33	4/24/2004	54.08	58.26	53.2	54.15	125.1	125.4	182	7.24	3
20:39	4/24/2004	5.28	5.32	4.57	5.22	124.7	125.2	182	7.25	4
20:45	4/24/2004	206.05	227.07	188.92	203.19	125.1	125.4	181.8	7.28	5
20:50	4/24/2004	85.37	92.46	76.73	85.7	125.2	125.1	182	7.28	1
20:56	4/24/2004	53.04	53.39	46.85	52.54	124.9	125.3	181.9	7.25	2
21:01	4/24/2004	53.8	60.21	52.99	54.32	125.2	125.1	181.8	7.24	3
21:07	4/24/2004	5.24	5.29	4.55	5.19	125.3	125.2	181.8	7.2	4
21:13	4/24/2004	197.29	229.34	189.31	203.96	125.3	125.1	181.9	7.26	5
21:18	4/24/2004	89.18	94.82	79.14	86.45	125.1	124.9	181.9	7.21	1
21:24	4/24/2004	55.15	55.43	47.98	54.25	125.4	124.9	181.7	7.24	2
21:30	4/24/2004	55.21	61.55	54.35	55.51	125.4	124.7	181.9	7.23	3
21:35	4/24/2004	5.17	5.23	4.51	5.12	125	124.6	181.8	7.24	4
21:41	4/24/2004	199.7	230.18	193.26	204.55	125.3	124.9	182	7.31	5
21:46	4/24/2004	85.77	96.92	79.45	87.09	125.4	124.9	181.8	7.29	1
21:52	4/24/2004	55.9	56.2	48.86	55.28	125.5	125.3	181.7	7.27	2
21:58	4/24/2004	58.95	62.73	56.88	58.27	125.4	125.3	181.8	7.27	3
22:03	4/24/2004	5.06	5.12	4.44	5.01	125.4	125.4	181.8	7.21	4
22:09	4/24/2004	214.66	237.56	198.87	213.1	125.1	125.2	181.6	7.22	5
22:14	4/24/2004	89.54	99.65	83.98	91.28	124.8	125	181.8	7.27	1
22:20	4/24/2004	60.48	60.78	52.63	59.79	125	124.9	181.6	7.23	2
22:26	4/24/2004	63.53	68.31	61.88	63.05	125.2	125.1	181.7	7.29	3
22:31	4/24/2004	4.99	5.03	4.35	4.94	124.7	125	181.6	7.27	4
22:37	4/24/2004	239.44	266.72	212.96	227.62	125	124.9	181.7	7.25	5
22:42	4/24/2004	97.73	99.71	87.78	93.45	125.1	124.9	181.7	7.27	1
22:48	4/24/2004	63.12	63.91	55.73	62.77	125.1	124.9	181.5	7.26	2
22:54	4/24/2004	66.87	70.71	64.05	65.62	125	124.8	181.6	7.22	3
22:59	4/24/2004	4.92	4.98	4.28	4.87	125.1	124.6	181.6	7.23	4
23:05	4/24/2004	223.62	271.03	214.22	230.01	125	124.8	181.6	7.2	5
23:11	4/24/2004	106.26	106.65	88.3	97.34	124.8	125	181.6	7.23	1
23:16	4/24/2004	66.41	66.76	59.05	65.81	124.9	125	181.6	7.26	2
23:22	4/24/2004	65.66	73.12	65.08	66.3	125.2	125	181.8	7.22	3
23:27	4/24/2004	4.87	4.95	4.26	4.83	124.8	125.1	181.6	7.26	4
23:33	4/24/2004	224.74	255.53	208.59	226.19	125.4	125.1	181.7	7.24	5
23:39	4/24/2004	94.79	100.77	85.7	94.77	125.3	125.2	181.7	7.29	1
23:44	4/24/2004	64.5	64.82	56.42	63.84	125.1	125	181.6	7.23	2
23:50	4/24/2004	64.01	72.02	63.59	64.82	125.2	125.2	181.8	7.22	3
23:55	4/24/2004	4.92	4.96	4.28	4.87	125	125	181.6	7.26	4
0:01	4/25/2004	216.98	256.86	205.83	221.04	125	125	181.6	7.18	5
0:07	4/25/2004	92.57	98.8	83.49	92.36	124.9	125	181.8	7.26	1
0:12	4/25/2004	63.03	63.54	55.38	62.53	124.9	125.1	181.5	7.23	2
0:18	4/25/2004	62.7	69.82	62.38	63.43	125	125	181.6	7.23	3
0:24	4/25/2004	4.9	4.99	4.27	4.87	125	125	181.4	7.27	4
0:29	4/25/2004	212.58	243.54	202.04	219.16	125	125.1	181.4	7.23	5
0:35	4/25/2004	88.5	98.23	84.11	92.19	125	125	181.4	7.28	1
0:40	4/25/2004	63.1	63.84	56.12	62.76	125	124.8	181.5	7.25	2

0:46	4/25/2004	63.64	70.62	62.6	63.57	125.1	125	181.5	7.24	3
0:52	4/25/2004	4.91	4.96	4.3	4.86	125.1	125	181.4	7.26	4
0:57	4/25/2004	214.79	258.65	205.62	219.49	125.2	124.8	181.4	7.26	5
1:03	4/25/2004	92.99	101.08	84.44	91.27	125.2	124.8	181.4	7.3	1
1:08	4/25/2004	61.37	62.76	55.06	61.57	125.3	125.1	181.3	7.23	2
1:14	4/25/2004	62.29	68.96	61.61	62.8	125.3	125	181.4	7.22	3
1:20	4/25/2004	4.87	4.94	4.27	4.84	125.3	124.9	181.2	7.24	4
1:25	4/25/2004	207.41	246.73	199.78	217.29	125.3	124.9	181.5	7.23	5
1:31	4/25/2004	89.43	96.87	84.2	90.72	125.1	125	181.4	7.22	1
1:37	4/25/2004	61.79	62.49	54.61	61.45	124.8	124.9	181.2	7.25	2
1:42	4/25/2004	62.3	68.15	61.55	62.6	125	124.9	181.4	7.24	3
1:48	4/25/2004	4.91	4.96	4.28	4.85	125.1	124.9	181.2	7.25	4
1:53	4/25/2004	217.95	253.64	198.51	214.8	124.8	125	181.3	7.27	5
1:59	4/25/2004	84.46	99.95	83.56	89.86	124.9	125	181.3	7.28	1
2:05	4/25/2004	60.95	61.8	53.97	60.7	125.1	124.8	181.2	7.23	2
2:10	4/25/2004	61.27	67.23	60.43	61.56	124.8	124.8	181.2	7.24	3
2:16	4/25/2004	4.89	4.93	4.29	4.84	124.9	124.7	181.2	7.28	4
2:21	4/25/2004	206.41	253.04	200.2	215.06	124.8	124.7	181.2	7.26	5
2:27	4/25/2004	88.53	95.64	82.19	89.05	124.9	124.9	181.2	7.22	1
2:33	4/25/2004	60.38	61.19	53.5	60.19	124.8	125	181.1	7.27	2
2:38	4/25/2004	61.32	68.11	60.53	61.52	125.1	124.9	181.3	7.22	3
2:44	4/25/2004	4.83	4.89	4.22	4.79	125.1	125	181.2	7.25	4
2:50	4/25/2004	203.67	243.63	196.78	212.43	124.8	124.9	181.2	7.26	5
2:55	4/25/2004	93.35	97.14	79.33	88.15	125.1	125.1	181.4	7.22	1
3:01	4/25/2004	59.92	60.36	52.92	59.29	125.3	125	181.3	7.27	2
3:06	4/25/2004	59.79	66.14	59.43	60.28	124.9	125	181.3	7.29	3
3:12	4/25/2004	4.83	4.85	4.21	4.77	125.1	125.2	181.4	7.24	4
3:18	4/25/2004	205.43	235.04	195.64	209.29	125.3	125	181.2	7.19	5
3:23	4/25/2004	93.04	93.19	81.1	87.75	125.3	125.2	181.4	7.26	1
3:29	4/25/2004	59.05	59.93	52.72	58.92	125	125.2	181.3	7.25	2
3:34	4/25/2004	59.61	65.7	59.06	59.93	125.3	125.1	181.4	7.29	3
3:40	4/25/2004	4.79	4.83	4.19	4.75	125.4	125.2	181.3	7.26	4
3:46	4/25/2004	199.82	234.59	193.85	205.77	125.1	125.1	181.3	7.26	5
3:51	4/25/2004	87.09	92.92	77.37	86.1	125.4	125.3	181.4	7.24	1
3:57	4/25/2004	58.18	59.31	52.35	58.29	125.5	125.3	181.1	7.23	2
4:02	4/25/2004	58.56	65.77	58.34	59.36	125.2	125.1	181.4	7.25	3
4:08	4/25/2004	4.81	4.83	4.16	4.74	125.2	125.2	181.3	7.23	4
4:14	4/25/2004	196.24	234.45	186.05	201.94	125.3	125.1	181.4	7.21	5
4:19	4/25/2004	84.14	89.71	78.2	84.12	125.3	125.3	181.3	7.24	1
4:25	4/25/2004	57.74	57.95	50.93	57.14	124.9	125.2	181.2	7.29	2
4:31	4/25/2004	57.53	63.67	56.95	57.81	125.2	125.1	181.2	7.25	3
4:36	4/25/2004	4.78	4.84	4.2	4.75	125	125.1	181.2	7.26	4
4:42	4/25/2004	191.61	229.54	180.3	199.14	124.9	125	181.2	7.26	5
4:47	4/25/2004	84.4	91.67	73.75	83.31	125.2	125.2	181.3	7.24	1
4:53	4/25/2004	56.53	57.27	50.17	56.42	124.9	125.1	181	7.24	2
4:59	4/25/2004	57.46	62.58	56.34	57.47	125.1	125.2	181.3	7.25	3
5:04	4/25/2004	4.72	4.78	4.15	4.69	125.1	125.1	181.2	7.28	4
5:10	4/25/2004	189.56	232.12	186.61	198.39	124.7	124.8	181.2	7.27	5
5:15	4/25/2004	84.11	89.3	77.33	82.69	125.1	125	181.2	7.29	1
5:21	4/25/2004	56.03	56.53	50.03	55.65	125	125	181.1	7.28	2
5:27	4/25/2004	56.21	63.02	55.92	56.92	124.7	124.9	181.2	7.23	3
5:32	4/25/2004	4.68	4.7	4.07	4.62	125.1	125	181.2	7.22	4
5:38	4/25/2004	192.74	229.16	181.81	196.33	124.8	124.7	181.1	7.23	5
5:44	4/25/2004	81.77	89.26	76.09	82.29	124.8	125	181.2	7.22	1
5:49	4/25/2004	55.35	56.18	49.3	55.27	124.9	124.7	180.9	7.27	2
5:55	4/25/2004	55.26	61.6	54.81	55.78	124.6	124.9	181.2	7.28	3
6:00	4/25/2004	4.55	4.6	3.98	4.51	124.7	124.7	181.1	7.22	4
6:06	4/25/2004	187.12	219.95	181.66	194.26	125	124.6	181.1	7.25	5
6:12	4/25/2004	85.17	90.07	75.45	81.17	124.9	124.9	181.1	7.26	1
6:17	4/25/2004	54.5	55.56	48.64	54.41	124.6	124.6	181	7.21	2
6:23	4/25/2004	55.51	60.9	54.82	55.77	124.9	124.8	181.1	7.21	3
6:28	4/25/2004	4.19	4.35	3.7	4.22	124.9	124.7	181.1	7.23	4
6:34	4/25/2004	190.49	223.69	178.46	193.12	124.6	124.9	181.2	7.21	5
6:40	4/25/2004	79.36	87.49	74.81	80.38	125	125.1	181.1	7.22	1
6:45	4/25/2004	54.6	54.87	48.27	54.09	125	125.1	181.1	7.21	2

6:51	4/25/2004	54.8	60.35	54.34	55.06	124.6	124.8	181.2	7.22	3
6:57	4/25/2004	3.97	4.08	3.47	3.95	124.7	125.1	181.1	7.28	4
7:02	4/25/2004	185.3	241.29	173.82	189.86	124.9	124.9	181.1	7.22	5
7:08	4/25/2004	77.83	86.96	74.4	79.67	124.6	125.1	180.9	7.19	1
7:13	4/25/2004	54.6	55.06	48.03	54.17	124.6	125	181	7.25	2
7:19	4/25/2004	55.06	60.89	54.32	55.17	124.8	124.8	181.1	7.27	3
7:25	4/25/2004	3.77	3.94	3.37	3.81	124.7	124.9	180.9	7.25	4
7:30	4/25/2004	192.06	217.27	174.69	188.66	124.3	124.6	181	7.19	5
7:36	4/25/2004	78.42	86.47	72.87	79.07	124.5	124.8	181	7.24	1
7:41	4/25/2004	54.06	54.81	48.29	53.76	124.5	124.7	180.8	7.22	2
7:47	4/25/2004	54.46	60.35	53.93	55.1	124.9	124.7	180.8	7.24	3
7:53	4/25/2004	3.64	3.71	3.17	3.61	125.3	124.9	180.9	7.24	4
7:58	4/25/2004	184.17	218.31	168.92	186.49	125	125	181.4	7.33	5
8:04	4/25/2004	77.22	86.46	72.69	77.33	125	125.1	181.2	7.22	1
8:09	4/25/2004	53.42	53.6	46.89	52.71	125.3	125.2	181.2	7.23	2
8:15	4/25/2004	53.01	60.15	52.59	53.86	125	125	181.3	7.23	3
8:21	4/25/2004	3.57	3.61	3.12	3.54	125.1	125.1	181.3	7.27	4
8:26	4/25/2004	177.65	216.28	164.68	181.53	125.3	125.1	181.4	7.29	5
8:32	4/25/2004	71.65	86.32	69.77	76.23	125.4	125.2	181.2	7.21	1
8:38	4/25/2004	52.38	52.93	45.81	51.95	125	125.3	181.1	7.28	2
8:43	4/25/2004	52.18	57.65	51.91	52.72	125.1	125.2	181.2	7.23	3
8:49	4/25/2004	3.51	3.61	3.06	3.49	125.3	125.1	181.1	7.24	4
8:54	4/25/2004	191.67	204.33	160.98	177.74	125.2	125.2	181.4	7.27	5
9:00	4/25/2004	76.9	82.44	69.59	75.67	125.1	125.3	181.3	7.28	1
9:06	4/25/2004	50.75	51.48	45.53	50.62	125	125.3	181.1	7.23	2
9:11	4/25/2004	50.74	56.61	50.61	51.51	125	125.3	181.3	7.22	3
9:17	4/25/2004	3.52	3.6	3.06	3.51	124.8	125.1	181.3	7.26	4
9:22	4/25/2004	170.77	206.73	159.55	176.69	124.8	125.1	181.4	7.22	5
9:28	4/25/2004	73.38	81.3	67.09	74.17	124.5	125.2	181.3	7.26	1
9:34	4/25/2004	49.55	50.05	43.61	49.25	124.7	125.1	181.2	7.23	2
9:39	4/25/2004	49.77	55.63	49.37	50.24	124.9	125.1	181.3	7.28	3
9:45	4/25/2004	3.33	3.52	2.89	3.34	124.9	125	181.3	7.29	4
9:51	4/25/2004	175.33	195.5	157.56	173.19	125.3	125	181.4	7.27	5
9:56	4/25/2004	74	81.34	68.43	73.07	125.4	125.2	181.4	7.23	1
10:02	4/25/2004	48.83	49.63	43.74	48.83	125.3	125.1	181.3	7.23	2
10:07	4/25/2004	49.86	55.12	48.85	49.79	125.4	125.2	181.5	7.24	3
10:13	4/25/2004	3.25	3.34	2.87	3.25	125.2	125.1	181.4	7.22	4
10:19	4/25/2004	175.47	195.44	153.86	168.92	125.1	125	181.5	7.23	5
10:24	4/25/2004	69	79.8	65.67	71.97	125	125.1	181.4	7.29	1
10:30	4/25/2004	48.24	49.25	43.02	48.05	125	125.1	181.4	7.24	2
10:35	4/25/2004	48.88	53.95	48.53	49.41	125.1	125.1	181.7	7.26	3
10:41	4/25/2004	3.17	3.27	2.74	3.13	125.3	125	181.5	7.29	4
10:47	4/25/2004	184.17	202.76	153.39	170.34	125.3	125	181.4	7.25	5
10:52	4/25/2004	65.44	77.15	65.44	71.37	124.8	124.9	181.4	7.26	1
10:58	4/25/2004	48.61	48.67	42.63	47.96	124.9	125.1	181.5	7.26	2
11:04	4/25/2004	49.11	53.98	48.19	49.27	125.2	125.1	181.6	7.23	3
11:09	4/25/2004	3.11	3.29	2.71	3.09	125	124.9	181.4	7.24	4
11:15	4/25/2004	167.79	195.46	152.84	168.75	124.9	125	181.6	7.2	5
11:20	4/25/2004	72.61	76.77	67.01	71.1	125.1	125.1	181.5	7.28	1
11:26	4/25/2004	48.35	49.11	42.43	48.3	125.1	125	181.4	7.24	2
11:32	4/25/2004	49.47	54.23	48.16	49.11	125	125.1	181.7	7.23	3
11:37	4/25/2004	2.91	3.17	2.67	3.02	124.7	124.9	181.5	7.26	4
11:43	4/25/2004	162.13	190.1	152.31	166.14	124.9	124.8	181.6	7.26	5
11:48	4/25/2004	73.3	77.7	63.42	70.52	125.1	125	181.6	7.27	1
11:54	4/25/2004	47.74	48.15	42.07	47.27	125	125	181.5	7.24	2
12:00	4/25/2004	48.29	53.44	48	48.82	124.8	125.1	181.7	7.27	3
12:05	4/25/2004	3.12	3.59	2.64	3.29	125	125	181.6	7.23	4
12:11	4/25/2004	158.79	193.08	152.71	165.47	125.1	124.9	181.8	7.24	5
12:16	4/25/2004	70.37	77.98	62.96	70.07	124.8	124.9	181.7	7.22	1
12:22	4/25/2004	47.52	47.7	41.55	46.93	124.8	124.9	181.6	7.23	2
12:28	4/25/2004	48.21	53.47	47.87	48.6	125	124.9	181.6	7.22	3
12:33	4/25/2004	3.09	3.14	2.64	3.02	125.1	125	181.6	7.23	4
12:39	4/25/2004	162.39	179.64	151.46	163.5	124.8	124.9	181.6	7.23	5
12:45	4/25/2004	70	78.92	64.45	70.12	124.9	124.9	181.7	7.23	1
12:50	4/25/2004	47.56	48.32	41.93	47.48	125.1	125	181.6	7.25	2

12:56	4/25/2004	48.02	53.4	47.1	48.14	125.2	125	181.7	7.23	3
13:01	4/25/2004	2.95	3.08	2.48	2.95	124.9	125.1	181.6	7.26	4
13:07	4/25/2004	149.32	185.11	144.91	158.54	124.8	124.8	181.8	7.25	5
13:13	4/25/2004	65.35	76.67	61.36	67.79	125	124.9	181.8	7.24	1
13:18	4/25/2004	46.62	47.13	41.47	46.23	125.1	125	181.7	7.21	2
13:24	4/25/2004	46.76	51.6	46.66	47.39	124.6	125	181.8	7.27	3
13:29	4/25/2004	3.23	3.68	2.7	3.33	124.8	124.9	181.8	7.28	4
13:35	4/25/2004	170.27	193.29	140.51	156.26	125.1	124.8	181.9	7.31	5
13:41	4/25/2004	66.28	74.25	59.85	66.78	125.1	124.8	181.9	7.28	1
13:46	4/25/2004	46.18	46.26	40.29	45.49	124.7	124.8	181.9	7.24	2
13:52	4/25/2004	46.76	51.16	46.38	47.02	124.9	124.9	182	7.26	3
13:58	4/25/2004	2.93	3.21	2.51	2.99	124.9	124.9	181.8	7.26	4
14:03	4/25/2004	157.93	184.72	139.86	159.28	124.8	124.7	181.9	7.26	5
14:09	4/25/2004	70.59	73.59	62.09	67.66	124.8	124.8	181.9	7.21	1
14:14	4/25/2004	46.54	47.2	41.14	46.4	124.7	124.8	181.7	7.21	2
14:20	4/25/2004	47.46	51.91	46.63	47.39	124.7	124.7	182	7.22	3
14:26	4/25/2004	3.01	3.24	2.62	3.01	125	124.7	181.8	7.23	4
14:31	4/25/2004	161.2	190.31	143.32	159.66	125.1	124.8	182.1	7.21	5
14:37	4/25/2004	68.77	75.54	58.98	66.87	125.1	125.1	181.9	7.28	1
14:42	4/25/2004	46.35	46.83	40.96	46	125.2	125.2	181.9	7.23	2
14:48	4/25/2004	47.13	51.92	46.47	47.22	125.1	125.2	182	7.26	3
14:54	4/25/2004	2.88	2.95	2.51	2.8	125.3	125.4	181.8	7.27	4
14:59	4/25/2004	153.09	185.3	142.02	157.14	125	125.2	181.8	7.2	5
15:05	4/25/2004	66.14	71.98	57.75	65.36	125	125.2	181.8	7.24	1
15:11	4/25/2004	46.88	46.98	40.63	45.98	124.9	125.2	181.7	7.27	2
15:16	4/25/2004	47.05	52.64	46.52	47.38	125	125	181.8	7.28	3
15:22	4/25/2004	2.8	2.92	2.53	2.75	125.3	125	181.9	7.22	4
15:27	4/25/2004	159.2	189.47	138.86	154.74	124.9	125.1	181.9	7.23	5
15:33	4/25/2004	64.46	72.53	60.57	66.55	125	125.1	181.9	7.27	1
15:39	4/25/2004	45.91	46.45	40.76	45.73	125	125.1	181.9	7.28	2
15:44	4/25/2004	47.06	50.7	45.57	46.38	124.9	124.9	182	7.25	3
15:50	4/25/2004	2.83	3.03	2.42	2.79	124.7	124.9	181.9	7.26	4
15:55	4/25/2004	147.16	181.62	140.66	151.91	124.8	124.8	182	7.25	5
16:01	4/25/2004	68.95	71.92	59.08	65.43	125	125	182	7.25	1
16:07	4/25/2004	45.75	46.16	40.46	45.48	124.9	125	181.9	7.21	2
16:12	4/25/2004	46.95	51.29	45.94	47.06	124.6	125	182	7.24	3
16:18	4/25/2004	3.08	3.11	2.6	2.98	124.9	124.9	182	7.23	4
16:24	4/25/2004	161.07	182.63	143.94	159.54	124.9	124.8	182.2	7.26	5
16:29	4/25/2004	70.57	77.72	59.24	66.97	124.7	124.9	182.1	7.24	1
16:35	4/25/2004	45.54	46.07	40.55	45.25	124.8	124.8	182	7.26	2
16:40	4/25/2004	45.12	50.75	44.93	45.9	125.1	124.8	182.2	7.22	3
16:46	4/25/2004	2.92	3.18	2.68	2.97	125.3	124.7	182.1	7.26	4
16:52	4/25/2004	139.36	175.03	137.28	153.3	125.3	124.6	182.3	7.23	5
16:57	4/25/2004	65.94	75.8	59.81	67.3	125.3	124.7	182.3	7.24	1
17:03	4/25/2004	44.08	44.58	38.53	43.76	125	124.9	182.4	7.23	2
17:08	4/25/2004	45.02	48.84	44	44.75	125	125.1	182.4	7.29	3
17:14	4/25/2004	2.7	2.78	2.3	2.71	125	125.2	182.3	7.25	4
17:20	4/25/2004	140.89	182.12	134.77	151	125	125.4	182.5	7.32	5
17:25	4/25/2004	67.7	71.4	58.24	64.07	125	125.4	182.4	7.26	1
17:31	4/25/2004	43.54	44.07	38.41	43.39	125.1	125.2	182.3	7.28	2
17:36	4/25/2004	43.82	49.22	43.8	44.61	125.1	125.1	182.3	7.2	3
17:42	4/25/2004	2.67	2.78	2.29	2.69	124.8	125.1	182.3	7.21	4
17:48	4/25/2004	145.72	177.44	135.88	151.49	124.7	125	182.3	7.2	5
17:53	4/25/2004	67.82	71.83	56.78	63.43	124.9	124.8	182.3	7.24	1
17:59	4/25/2004	43.25	43.44	38.14	42.81	125	124.8	182.3	7.24	2
18:05	4/25/2004	43.52	48.13	42.85	43.79	124.9	124.7	182.3	7.27	3
18:10	4/25/2004	2.69	2.77	2.27	2.68	124.9	124.7	182.2	7.23	4
18:16	4/25/2004	138.69	167.4	127.89	144.65	125	124.9	182.4	7.28	5
18:21	4/25/2004	58.47	68.66	54.58	61.92	124.8	125.1	182.4	7.28	1
18:27	4/25/2004	42.49	43.39	38.05	42.57	125.1	125.1	182.3	7.26	2
18:33	4/25/2004	42.54	47.16	42.09	42.92	124.8	125.3	182.5	7.23	3
18:38	4/25/2004	2.61	2.73	2.26	2.64	125.2	125.3	182.5	7.25	4
18:44	4/25/2004	140.5	161.7	130.36	142.9	124.9	125.4	182.4	7.18	5
18:49	4/25/2004	60.58	69.62	54.43	61.52	125.3	125.5	182.6	7.29	1
18:55	4/25/2004	41.92	42.45	37.13	41.77	125	125.4	182.6	7.25	2

19:01	4/25/2004	42.76	46.91	42.09	42.87	125.3	124.8	182.6	7.23	3
19:06	4/25/2004	2.86	2.89	2.37	2.81	125	124.7	182.6	7.26	4
19:12	4/25/2004	134.6	163.57	128.44	140.26	125.2	124.7	182.7	7.29	5
19:18	4/25/2004	57.98	64.71	53.1	59.7	124.9	124.8	182.5	7.29	1
19:23	4/25/2004	41.92	42.36	37.02	41.65	125	124.9	182.4	7.27	2
19:29	4/25/2004	42	46.34	41.67	42.29	125.1	125	182.6	7.21	3
19:34	4/25/2004	2.93	2.94	2.44	2.87	125	124.9	182.5	7.28	4
19:40	4/25/2004	134.87	153.24	123.62	134.5	125.1	125	182.6	7.22	5
19:46	4/25/2004	59.05	62.89	52.2	57.9	124.8	125.1	182.6	7.23	1
19:51	4/25/2004	40.73	41.34	35.86	40.62	125.2	125.1	182.5	7.28	2
19:57	4/25/2004	41.17	45.43	40.48	41.34	124.9	125.1	182.5	7.23	3
20:02	4/25/2004	3.02	3.03	2.52	2.95	125.3	125.2	182.6	7.27	4
20:08	4/25/2004	131.08	145.93	123.88	131.31	125	125.2	182.7	7.23	5
20:14	4/25/2004	57.43	61.88	52.96	56.63	125.4	125.4	182.7	7.22	1
20:19	4/25/2004	40.39	40.65	36.38	40.09	125.4	125.1	182.5	7.28	2
20:25	4/25/2004	41.01	45.72	40.87	41.5	125.2	125.2	182.8	7.28	3
20:31	4/25/2004	3.08	3.1	2.58	3.02	124.8	125.1	182.7	7.24	4
20:36	4/25/2004	129.48	146.5	120.25	128.6	125.1	125.3	182.7	7.29	5
20:42	4/25/2004	58.53	60.57	52.39	56.23	125.2	125.2	182.6	7.28	1
20:47	4/25/2004	40.14	40.59	35.25	39.86	125.1	125	182.4	7.24	2
20:53	4/25/2004	40.27	44.65	40.02	40.62	124.8	125.1	182.6	7.26	3
20:59	4/25/2004	3.16	3.17	2.65	3.1	125.2	125.2	182.6	7.28	4
21:04	4/25/2004	129.14	143.38	118.51	128.3	125.3	125.3	182.6	7.25	5
21:10	4/25/2004	50.83	60.62	49.07	55.86	125.1	125.3	182.6	7.23	1
21:15	4/25/2004	39.82	40.4	35.33	39.59	125	125.2	182.6	7.25	2
21:21	4/25/2004	40.51	44.5	39.8	40.52	125.2	125.2	182.7	7.25	3
21:27	4/25/2004	3.24	3.29	2.73	3.2	125.3	125.3	182.5	7.27	4
21:32	4/25/2004	121.16	142.78	119.81	127.89	125.1	125.3	182.6	7.27	5
21:38	4/25/2004	56.66	63.44	50	55.62	125.3	125.1	182.7	7.21	1
21:43	4/25/2004	39.72	40.25	35.43	39.46	125	125.2	182.6	7.27	2
21:49	4/25/2004	40.06	44.52	39.89	40.75	125.2	125.1	182.7	7.25	3
21:55	4/25/2004	3.3	3.32	2.77	3.24	125.1	124.9	182.6	7.26	4
22:00	4/25/2004	134.42	149.16	117.18	128.7	124.8	125	182.6	7.25	5
22:06	4/25/2004	55.5	60.95	49.62	55.91	125.1	124.8	182.7	7.25	1
22:12	4/25/2004	39.96	40.34	35.09	39.53	124.8	124.9	182.6	7.26	2
22:17	4/25/2004	40.25	44.95	39.94	40.67	125.1	124.9	182.6	7.22	3
22:23	4/25/2004	3.33	3.37	2.83	3.3	125.1	124.9	182.6	7.2	4
22:28	4/25/2004	126.69	145.14	117.05	127.74	124.7	124.9	182.7	7.19	5
22:34	4/25/2004	55.78	61.56	50.14	56.33	125	124.7	182.7	7.28	1
22:40	4/25/2004	39.82	40.6	35.71	39.86	124.8	124.8	182.5	7.22	2
22:45	4/25/2004	40.86	45.46	40.54	41.23	124.7	124.7	182.6	7.24	3
22:51	4/25/2004	3.38	3.41	2.87	3.33	124.9	124.7	182.6	7.23	4
22:56	4/25/2004	127.68	148.17	122.05	130.53	124.9	124.9	182.5	7.25	5
23:02	4/25/2004	53	65.13	53	56.83	125.1	125	182.7	7.22	1
23:08	4/25/2004	40.46	41.06	35.74	40.32	125.3	125.1	182.7	7.25	2
23:13	4/25/2004	40.77	45.36	40.38	41.34	125.3	125.2	182.7	7.23	3
23:19	4/25/2004	3.43	3.47	2.89	3.39	125.2	125	182.6	7.28	4
23:25	4/25/2004	124.73	148.78	120.44	130.23	125.4	124.9	182.7	7.27	5
23:30	4/25/2004	58.76	61.56	49.62	56.63	125	125.1	182.8	7.28	1
23:36	4/25/2004	40.46	41.06	36.47	40.38	125	125	182.7	7.22	2
23:41	4/25/2004	40.69	44.96	40	40.72	124.8	125	182.9	7.28	3
23:47	4/25/2004	3.48	3.53	2.94	3.44	125	125	182.6	7.25	4
23:53	4/25/2004	131.49	152.14	119.76	128.24	124.9	124.8	182.7	7.28	5
23:58	4/25/2004	57.56	61.27	53.52	56.76	124.8	124.9	182.7	7.23	1
0:04	4/26/2004	40.16	40.89	35.5	40.19	124.9	124.8	182.5	7.26	2
0:09	4/26/2004	41	44.65	40.37	41.03	124.6	124.8	182.7	7.22	3
0:15	4/26/2004	3.51	3.54	2.96	3.44	125.1	124.8	182.6	7.25	4
0:21	4/26/2004	127.63	148.9	117.66	128.06	125	124.7	182.7	7.26	5
0:26	4/26/2004	59.33	61.23	51.85	55.9	125.2	124.8	182.7	7.21	1
0:32	4/26/2004	39.41	39.96	35.16	39.3	125.2	125	182.6	7.22	2
0:38	4/26/2004	39.67	44.8	39.27	40.1	125.2	125	182.8	7.23	3
0:43	4/26/2004	3.47	3.5	2.94	3.43	125.1	125.1	182.7	7.26	4
0:49	4/26/2004	124.23	150.08	121.44	128.24	125.1	125.1	182.8	7.2	5
0:54	4/26/2004	56.13	61.33	51.99	56.27	124.9	125	182.8	7.2	1
1:00	4/26/2004	40.67	40.89	34.91	39.63	125	125.2	182.8	7.25	2

1:06	4/26/2004	40.39	45.01	39.93	40.58	125.1	125.3	183	7.25	3
1:11	4/26/2004	3.43	3.45	2.9	3.38	125.1	125.3	182.8	7.23	4
1:17	4/26/2004	124.43	149.06	118.29	127.51	125.3	125.3	182.9	7.29	5
1:22	4/26/2004	58.42	61.34	52.19	55.97	125.2	125.2	182.8	7.24	1
1:28	4/26/2004	39.58	40.07	35.65	39.57	124.8	125.2	182.7	7.22	2
1:34	4/26/2004	39.78	44.05	39.04	39.81	124.9	125.3	182.9	7.27	3
1:39	4/26/2004	3.48	3.51	2.96	3.43	125.2	125.3	182.7	7.25	4
1:45	4/26/2004	124.61	137.9	115.42	125.65	125.2	125.3	182.7	7.22	5
1:50	4/26/2004	54.62	60.12	50.41	54.84	124.8	125.1	182.8	7.24	1
1:56	4/26/2004	38.36	39.2	34.22	38.37	124.9	125.1	182.7	7.26	2
2:02	4/26/2004	39.29	43.66	38.99	39.84	125.1	125.2	182.8	7.28	3
2:07	4/26/2004	3.57	3.59	3.02	3.51	125	125.2	182.7	7.21	4
2:13	4/26/2004	118.8	144.54	114.94	124.68	124.8	125.2	182.7	7.28	5
2:19	4/26/2004	54.56	62.84	50.37	54.69	124.9	125.1	182.7	7.29	1
2:24	4/26/2004	38.48	39.24	34.08	38.32	125	125	182.7	7.24	2
2:30	4/26/2004	38.8	43.13	38.15	38.93	124.8	125.1	182.7	7.24	3
2:35	4/26/2004	3.61	3.63	3.05	3.55	124.6	125.1	182.7	7.22	4
2:41	4/26/2004	122.96	141.82	116.08	123.41	124.8	125.1	182.8	7.24	5
2:47	4/26/2004	52.63	57.26	51.01	54.49	124.9	125	182.8	7.19	1
2:52	4/26/2004	37.85	38.83	33.95	38.1	125.1	124.9	182.6	7.21	2
2:58	4/26/2004	39.22	42.63	38.3	39.05	125	124.9	182.8	7.25	3
3:03	4/26/2004	3.62	3.66	3.09	3.59	125	124.9	182.6	7.22	4
3:09	4/26/2004	123.23	143.94	114.42	124.01	124.9	125	182.8	7.24	5
3:15	4/26/2004	55.09	58.18	50.11	54.54	124.7	124.8	182.7	7.24	1
3:20	4/26/2004	38.4	38.86	33.82	38.26	124.8	124.8	182.6	7.26	2
3:26	4/26/2004	38.35	42.61	38.12	38.8	125.1	124.8	182.7	7.22	3
3:32	4/26/2004	3.68	3.7	3.11	3.62	124.8	124.9	182.7	7.22	4
3:37	4/26/2004	123.95	142.47	114.96	124.69	125.1	124.8	182.7	7.29	5
3:43	4/26/2004	54.62	60.42	50.78	55.18	124.8	124.8	182.6	7.25	1
3:48	4/26/2004	39.29	39.49	34.16	38.73	125.2	124.6	182.6	7.26	2
3:54	4/26/2004	38.92	43.64	38.72	39.4	124.8	124.7	182.6	7.27	3
4:00	4/26/2004	3.67	3.72	3.12	3.63	125.2	124.8	182.6	7.29	4
4:05	4/26/2004	120.16	135.65	116.78	123.14	124.8	124.7	182.6	7.29	5
4:11	4/26/2004	54.87	58.37	50.91	54.79	125.1	125	182.6	7.27	1
4:16	4/26/2004	38.38	39.13	33.94	38.34	124.9	125.3	182.5	7.27	2
4:22	4/26/2004	39.53	42.51	38.49	39.23	125.1	125.2	182.6	7.23	3
4:28	4/26/2004	3.61	3.62	3.06	3.54	124.9	125.4	182.5	7.28	4
4:33	4/26/2004	126.84	139.31	119.46	126.7	125.1	125.4	182.5	7.27	5
4:39	4/26/2004	55.82	60.83	51.01	55.34	125	125.1	182.5	7.29	1
4:45	4/26/2004	38.86	39.16	34.42	38.56	125.2	124.8	182.3	7.23	2
4:50	4/26/2004	38.96	44.59	38.75	40	124.9	124.7	182.5	7.27	3
4:56	4/26/2004	3.53	3.56	3.02	3.48	124.9	124.8	182.5	7.26	4
5:01	4/26/2004	125.79	142.07	114.26	123.97	124.9	124.8	182.4	7.24	5
5:07	4/26/2004	60.19	59.52	49.45	54.38	124.8	124.8	182.4	7.24	1
5:13	4/26/2004	38.77	38.91	33.33	38.02	124.5	124.8	182.4	7.23	2
5:18	4/26/2004	38.57	42.74	38.17	38.72	124.7	124.9	182.6	7.3	3
5:24	4/26/2004	3.3	3.48	2.79	3.27	124.8	125.1	182.4	7.26	4
5:29	4/26/2004	119.99	141.07	112.96	121.08	124.8	124.9	182.3	7.28	5
5:35	4/26/2004	49.75	58.5	48.96	53.7	125	125	182.3	7.27	1
5:41	4/26/2004	37.52	38.34	33.35	37.47	124.7	124.9	182.4	7.27	2
5:46	4/26/2004	38.12	41.76	37.16	38.12	124.9	124.6	182.5	7.24	3
5:52	4/26/2004	4.79	5.14	4.06	4.78	125	124.9	182.4	7.26	4
5:58	4/26/2004	121.09	137	112.21	119.66	124.8	124.5	182.4	7.26	5
6:03	4/26/2004	51	56.52	48.04	52.91	124.8	124.7	182.4	7.2	1
6:09	4/26/2004	37.3	37.89	33.21	37.25	124.7	124.9	182.3	7.24	2
6:14	4/26/2004	38.05	42.03	37.6	38.33	125.1	125	182.4	7.28	3
6:20	4/26/2004	4.1	4.49	3.74	4.24	124.8	125.1	182.3	7.24	4
6:26	4/26/2004	115.47	135.88	111.3	120.14	125.1	125.2	182.3	7.26	5
6:31	4/26/2004	50.24	58.5	48.85	53.29	125.2	125.4	182.4	7.22	1
6:37	4/26/2004	37.75	37.95	33.28	37.36	125.4	125.2	182.4	7.21	2
6:42	4/26/2004	37.51	42.33	37.33	38.11	125.4	125	182.4	7.27	3
6:48	4/26/2004	4.17	4.41	3.67	4.13	124.9	124.8	182.3	7.26	4
6:54	4/26/2004	116.73	137.94	111.14	119.58	124.7	124.5	182.5	7.28	5
6:59	4/26/2004	53.01	60.48	48.79	53.97	124.7	124.8	182.4	7.25	1
7:05	4/26/2004	37.92	38.19	33.24	37.58	124.8	124.8	182.3	7.27	2

7:10	4/26/2004	38.32	42.19	37.76	38.43	124.6	124.6	182.1	7.22	3
7:16	4/26/2004	3.92	4.39	3.38	3.96	124.8	124.8	182.2	7.27	4
7:22	4/26/2004	117.37	143.1	114.01	121.7	125	124.7	182	7.26	5
7:27	4/26/2004	53.18	57.65	49.25	53.26	125	124.8	182.2	7.24	1
7:33	4/26/2004	37.7	38.07	33.79	37.49	125	124.8	182.1	7.21	2
7:39	4/26/2004	38.52	42.88	38.01	38.84	125.2	124.7	182.2	7.29	3
7:44	4/26/2004	4.03	4.19	3.47	3.97	125.2	124.8	182.1	7.28	4
7:50	4/26/2004	118.25	147.53	112.73	122.21	125.2	124.7	182.2	7.2	5
7:55	4/26/2004	56.26	59.78	50.1	54.81	125.3	124.8	182.2	7.26	1
8:01	4/26/2004	38.44	38.79	33.35	38.05	125.3	124.8	182	7.24	2
8:07	4/26/2004	38.47	42.63	37.92	38.71	125.3	124.6	182.2	7.22	3
8:12	4/26/2004	3.61	3.83	3.33	3.67	125.3	124.9	182.1	7.26	4
8:18	4/26/2004	123.16	143.14	115.26	125.08	125.3	124.7	182	7.23	5
8:23	4/26/2004	53.46	60.02	51.17	55.43	125.3	124.9	182.1	7.28	1
8:29	4/26/2004	38.28	39.29	34.78	38.49	125.3	124.9	182	7.26	2
8:35	4/26/2004	39.33	42.69	38.35	39.1	125.3	124.8	182.1	7.27	3
8:40	4/26/2004	2.83	2.92	2.47	2.78	125.4	124.9	182.1	7.28	4
8:46	4/26/2004	124.36	141.31	111.75	123.18	125.3	124.9	182.1	7.22	5
8:52	4/26/2004	54.63	60.13	49.92	54.14	125.2	124.7	182.1	7.23	1
8:57	4/26/2004	38.52	38.67	33.78	38.01	125.1	124.8	182.1	7.24	2
9:03	4/26/2004	38.08	42.67	37.62	38.64	125.1	124.6	182.2	7.27	3
9:08	4/26/2004	3.03	3.12	2.29	2.96	125	124.6	182	7.24	4
9:14	4/26/2004	114.88	148.23	111.82	121.71	125	124.9	182.1	7.29	5
9:20	4/26/2004	56.64	59.2	47.95	54	125.1	125	182.1	7.23	1
9:25	4/26/2004	39.06	39.22	33.23	38.06	124.9	124.9	182.1	7.23	2
9:31	4/26/2004	40.01	43.27	38.88	39.68	125	124.8	182.1	7.26	3
9:36	4/26/2004	3.31	4.28	3.31	3.68	124.8	124.9	182	7.27	4
9:42	4/26/2004	135.76	147.12	119.03	130.74	124.7	124.9	182.1	7.23	5
9:48	4/26/2004	57.2	62.5	52.26	57.23	124.6	124.9	182.1	7.28	1
9:53	4/26/2004	41.14	41.39	36.31	40.69	124.5	124.8	182	7.22	2
9:59	4/26/2004	40.92	45.08	40.89	41.45	124.7	124.9	182	7.2	3
10:05	4/26/2004	3.28	8	2.97	3.82	124.7	125	182	7.21	4
10:10	4/26/2004	139.17	154.92	120.09	131.34	124.7	124.9	182	7.3	5
10:16	4/26/2004	56.75	62.92	52.04	57.48	124.9	125	182	7.21	1
10:21	4/26/2004	40.46	40.68	35.37	40.01	124.8	124.9	181.8	7.25	2
10:27	4/26/2004	40.6	44.6	40.05	40.68	124.8	125	182	7.28	3
10:33	4/26/2004	2.44	2.64	2.17	2.49	125	125.1	182	7.24	4
10:38	4/26/2004	135.8	144.97	114.51	129.45	125.2	125.2	182.1	7.21	5
10:44	4/26/2004	58.1	65.72	52.05	56.91	125.1	125.1	181.9	7.21	1
10:49	4/26/2004	40.19	40.79	35.6	40.06	125.3	125.2	182	7.22	2
10:55	4/26/2004	41.12	45.72	40.39	41.07	125.3	125.3	182	7.24	3
11:01	4/26/2004	2.37	2.52	1.96	2.32	125.3	125.3	181.9	7.26	4
11:06	4/26/2004	123.41	149.38	113.61	129.87	125.4	125.3	182	7.22	5
11:12	4/26/2004	54.95	64.08	49.74	57.15	125.3	125.2	182.1	7.22	1
11:17	4/26/2004	40.28	40.85	35.36	40.16	125.4	125.3	182.1	7.25	2
11:23	4/26/2004	40.82	45.74	40.5	41.43	125.3	125.4	182.4	7.3	3
11:29	4/26/2004	2.3	2.52	1.92	2.28	125.3	125.3	182.2	7.27	4
11:34	4/26/2004	142.81	150.3	120.56	133.74	125.3	125.2	182.2	7.24	5
11:40	4/26/2004	57.23	62.88	53.4	58.44	125.3	125.3	182.1	7.22	1
11:46	4/26/2004	40.45	40.74	35.6	40.13	125.2	125.3	181.9	7.25	2
11:51	4/26/2004	40.58	45.16	40.42	41.21	125.2	125.4	182.1	7.22	3
11:57	4/26/2004	2.03	2.13	1.74	2.03	125.1	125.2	182.1	7.27	4
12:02	4/26/2004	133.62	147.35	115.58	128.5	125.2	125.2	182.1	7.28	5
12:08	4/26/2004	54.18	61.68	50.66	55.46	125.2	125.3	182.1	7.28	1
12:14	4/26/2004	39.82	40.08	35.63	39.51	125.2	125.4	181.9	7.21	2
12:19	4/26/2004	40.53	44.51	39.9	40.6	125.1	125.3	182.1	7.26	3
12:25	4/26/2004	1.89	1.92	1.6	1.87	125	125.2	181.9	7.24	4
12:30	4/26/2004	124.41	146.79	113.39	126.33	125.1	125.2	182	7.23	5
12:36	4/26/2004	55.6	60.54	50.04	55.22	125.1	125.4	181.9	7.24	1
12:42	4/26/2004	38.81	39.39	34.68	38.68	125	125.3	181.9	7.24	2
12:47	4/26/2004	39.2	42.64	38.79	39.48	125.1	125.3	182.1	7.3	3
12:53	4/26/2004	1.68	1.7	1.37	1.65	125.1	125.3	182.1	7.28	4
12:59	4/26/2004	125.26	136.67	115.02	124.28	125.2	125.4	182.1	7.24	5
13:04	4/26/2004	54.11	59	49.96	55.05	125.1	125.2	181.9	7.25	1
13:10	4/26/2004	38.05	38.46	33.7	37.7	124.9	125	181.8	7.26	2

13:15	4/26/2004	38.53	42.45	38.11	38.84	124.9	124.7	181.9	7.26	3
13:21	4/26/2004	1.75	1.79	1.41	1.7	124.8	125	181.9	7.27	4
13:27	4/26/2004	122.13	138.75	110.24	122.95	125	124.8	181.9	7.26	5
13:32	4/26/2004	52.07	57.87	50.1	54.32	125.1	124.8	182	7.26	1
13:38	4/26/2004	38.07	38.82	33.93	37.98	124.8	124.9	181.7	7.22	2
13:43	4/26/2004	38.49	42.97	38.33	39.03	125.1	124.8	181.9	7.25	3
13:49	4/26/2004	1.83	1.91	1.49	1.82	125	124.8	182	7.28	4
13:55	4/26/2004	125.06	143.86	110.71	121.46	125	124.7	182.1	7.23	5
14:00	4/26/2004	53.5	58.65	46.88	53	125.2	124.9	181.9	7.28	1
14:06	4/26/2004	38.23	38.44	33.42	37.8	125	124.9	181.9	7.27	2
14:12	4/26/2004	38.13	42.61	38.07	38.65	125.2	124.9	181.9	7.23	3
14:17	4/26/2004	1.22	1.54	1.18	1.36	125.4	125.1	182	7.28	4
14:23	4/26/2004	117.28	137.42	109.64	119.29	125.4	125.3	182.2	7.22	5
14:28	4/26/2004	54.7	56.8	46.51	52.09	125	125.4	182.1	7.23	1
14:34	4/26/2004	37.18	37.43	32.87	36.84	125.1	125.3	182	7.27	2
14:40	4/26/2004	38.08	41.49	37.22	38.01	125.2	125.1	182	7.26	3
14:45	4/26/2004	1.58	1.67	1.35	1.61	125.1	125	182.1	7.25	4
14:51	4/26/2004	128.27	138.02	108.23	122.58	125	124.7	182.1	7.3	5
14:56	4/26/2004	53.43	58.04	47.17	53.69	124.9	124.7	181.9	7.23	1
15:02	4/26/2004	38.5	38.5	33.54	37.79	124.9	124.8	182	7.22	2
15:08	4/26/2004	38.72	42.91	38.37	38.96	124.9	124.9	182	7.2	3
15:13	4/26/2004	1.87	2.11	1.35	1.72	124.9	124.9	181.9	7.27	4
15:19	4/26/2004	122.92	146.03	113.84	124.56	124.8	125	182.1	7.24	5
15:24	4/26/2004	55.14	60.23	50.41	54.21	125	125	181.8	7.24	1
15:30	4/26/2004	38.44	39.3	34.68	38.35	124.8	124.9	181.8	7.28	2
15:36	4/26/2004	38.91	43.15	38.54	39.29	125.1	124.9	182.1	7.24	3
15:41	4/26/2004	1.83	1.88	1.54	1.82	124.7	125	182.1	7.22	4
15:47	4/26/2004	116.31	145.8	110.87	122.88	125.2	125	182.2	7.19	5
15:53	4/26/2004	54.04	58.73	48.7	53.19	124.9	125	182.1	7.26	1
15:58	4/26/2004	37.7	38.1	33.32	37.48	125.3	125.1	182.2	7.22	2
16:04	4/26/2004	38.35	42.52	37.81	38.52	124.9	125.2	182.4	7.25	3
16:09	4/26/2004	1.87	1.89	1.52	1.83	125.4	125.2	182.4	7.26	4
16:15	4/26/2004	118.21	135.43	108.87	119.27	125	125.2	182.4	7.26	5
16:21	4/26/2004	49.83	56.99	47.08	52.24	125.3	125.4	182.3	7.23	1
16:26	4/26/2004	37.18	37.54	32.91	36.94	125.3	125.4	182.2	7.22	2
16:32	4/26/2004	37.27	41.41	37.01	37.59	125.3	125.3	182.4	7.22	3
16:37	4/26/2004	1.93	1.94	1.54	1.88	125.2	125	182.4	7.28	4
16:43	4/26/2004	115.4	130.19	106.17	115.1	125.1	124.9	182.4	7.23	5
16:49	4/26/2004	51.77	55.39	46.2	51.01	125.1	125.1	182.4	7.28	1
16:54	4/26/2004	36.92	37.05	32.47	36.43	124.9	125.1	182.3	7.23	2
17:00	4/26/2004	37.21	40.87	36.54	37.31	124.9	125	182.4	7.28	3
17:06	4/26/2004	2.07	2.08	1.65	2	125	124.9	182.4	7.27	4
17:11	4/26/2004	115.72	129.17	106.58	115.11	125.1	124.9	182.4	7.24	5
17:17	4/26/2004	51.52	55.14	46.41	50.55	125.3	125.2	182.5	7.31	1
17:22	4/26/2004	36.73	37.12	32.41	36.49	125.3	125.3	182.3	7.26	2
17:28	4/26/2004	37.21	41.19	36.73	37.49	124.9	125.2	182.4	7.21	3
17:34	4/26/2004	2.34	2.36	1.92	2.26	125.1	125	182.3	7.23	4
17:39	4/26/2004	111.16	136.1	107.35	115.15	125.3	125.1	182.4	7.24	5
17:45	4/26/2004	48.99	56.92	46.12	50.7	125.1	125.1	182.4	7.22	1
17:50	4/26/2004	36.45	36.77	32.71	36.12	125	125.2	182.4	7.24	2
17:56	4/26/2004	36.83	40.7	36.38	37.04	125.2	125.3	182.5	7.24	3
18:02	4/26/2004	2.14	2.17	1.73	2.1	125.3	125.2	182.5	7.28	4
18:07	4/26/2004	112.98	130.02	102.23	114.74	125	125.1	182.4	7.24	5
18:13	4/26/2004	49.15	56.16	46.21	50.56	124.9	125.1	182.4	7.25	1
18:19	4/26/2004	36.2	36.4	32	35.84	125.1	125.2	182.4	7.21	2
18:24	4/26/2004	36.73	40.6	36.23	36.96	125.2	125.2	182.5	7.24	3
18:30	4/26/2004	2.23	2.25	1.83	2.19	124.8	125	182.4	7.25	4
18:35	4/26/2004	113.18	124.73	104.44	111.71	124.9	125	182.6	7.27	5
18:41	4/26/2004	48.4	54.11	45.68	49.52	125.1	125	182.5	7.23	1
18:47	4/26/2004	35.75	36.04	31.46	35.42	125.2	125.2	182.4	7.23	2
18:52	4/26/2004	36.17	40.85	36.03	36.81	124.7	125	182.6	7.26	3
18:58	4/26/2004	2.34	2.36	1.92	2.29	124.7	124.8	182.6	7.27	4
19:03	4/26/2004	104.44	121.52	102.15	109.83	124.9	124.7	182.6	7.29	5
19:09	4/26/2004	47.17	54.85	44.73	49.77	124.9	124.7	182.4	7.2	1
19:15	4/26/2004	35.89	36.63	31.83	35.83	124.8	124.7	182.3	7.25	2

19:20	4/26/2004	36.49	40.22	36.1	36.7	124.9	124.8	182.5	7.29	3
19:26	4/26/2004	2.26	2.33	1.9	2.25	125	125.2	182.5	7.27	4
19:32	4/26/2004	117.57	126.9	102.17	112.42	125	125.2	182.5	7.22	5
19:37	4/26/2004	48.22	53.22	45.44	49.08	125.1	125.5	182.7	7.3	1
19:43	4/26/2004	35.75	36.34	31.53	35.27	125.1	125.2	182.5	7.28	2
19:48	4/26/2004	37.09	40.21	36.25	36.84	125.3	124.6	182.7	7.25	3
19:54	4/26/2004	2.33	2.41	1.89	2.3	124.9	125	182.8	7.24	4
20:00	4/26/2004	110.51	133.98	104.09	112.23	125.2	125	182.6	7.22	5
20:05	4/26/2004	50.62	55.13	45.53	49.85	125	125.4	182.7	7.2	1
20:11	4/26/2004	36.93	37.32	32.09	36.47	125.4	125.3	182.6	7.22	2
20:16	4/26/2004	37.29	41.73	36.91	37.63	125.1	125.3	182.7	7.21	3
20:22	4/26/2004	2.54	2.56	2.09	2.45	125.3	125.2	182.8	7.26	4
20:28	4/26/2004	117.83	133.16	105.54	114.34	125	125.1	182.8	7.27	5
20:33	4/26/2004	53.3	56.27	46.74	50.92	125	125.1	182.8	7.25	1
20:39	4/26/2004	37.9	38.15	33.66	37.49	125	125.1	182.6	7.29	2
20:44	4/26/2004	38.73	41.98	37.39	38.23	124.6	125	182.7	7.28	3
20:50	4/26/2004	2.65	2.67	2.22	2.58	124.7	125	182.5	7.22	4
20:56	4/26/2004	117.53	128.8	105.12	115.39	124.7	124.8	182.6	7.27	5
21:01	4/26/2004	49.47	55.81	46.51	51.18	124.9	124.9	182.4	7.2	1
21:07	4/26/2004	38.27	38.33	33.46	37.71	125.2	125.1	182.5	7.27	2
21:13	4/26/2004	38.79	42.92	38.62	39.15	125.2	125.1	182.6	7.28	3
21:18	4/26/2004	2.67	2.75	2.22	2.64	125.3	125.1	182.6	7.24	4
21:24	4/26/2004	119.46	133.94	109.12	117.65	125.3	125	182.7	7.19	5
21:29	4/26/2004	55.46	56.91	47.82	52.26	125.3	125.2	182.7	7.28	1
21:35	4/26/2004	39.16	39.83	34.75	39.09	125.2	125.2	182.6	7.27	2
21:41	4/26/2004	39.93	44.21	39.53	40.27	125.2	125.3	182.7	7.29	3
21:46	4/26/2004	2.79	2.82	2.35	2.75	125	125.3	182.5	7.28	4
21:52	4/26/2004	120.83	135.21	112.86	120.33	125.3	125.2	182.7	7.28	5
21:57	4/26/2004	50.64	60.42	48.12	53.16	124.9	125.3	182.4	7.19	1
22:03	4/26/2004	40.58	40.72	35.72	40.12	125.3	125.1	182.4	7.26	2
22:09	4/26/2004	41.23	44.92	40.75	41.41	125.1	125.1	182.6	7.24	3
22:14	4/26/2004	2.84	2.89	2.36	2.8	125	125.1	182.6	7.24	4
22:20	4/26/2004	122.73	145.5	113.88	124.14	125	124.7	182.5	7.29	5
22:26	4/26/2004	53.46	57.98	49.65	54.22	124.7	124.8	182.6	7.21	1
22:31	4/26/2004	40.61	41.02	36.17	40.41	125	124.7	182.4	7.22	2
22:37	4/26/2004	41.62	45.93	41.03	41.9	124.8	124.7	182.5	7.29	3
22:42	4/26/2004	2.89	2.91	2.43	2.84	125	124.9	182.5	7.27	4
22:48	4/26/2004	119.38	139.17	113.63	123.83	124.6	125.1	182.4	7.22	5
22:54	4/26/2004	53.44	58.58	47.88	53.68	125.1	125.4	182.5	7.26	1
22:59	4/26/2004	40.2	40.88	35.65	40.14	125.2	125.4	182.4	7.28	2
23:05	4/26/2004	40.48	44.96	40.01	40.93	125.1	125.3	182.6	7.21	3
23:10	4/26/2004	2.95	2.97	2.5	2.91	124.8	125.1	182.6	7.26	4
23:16	4/26/2004	116.05	140.08	111.59	120.22	125	125	182.5	7.27	5
23:22	4/26/2004	53.74	56.85	47.86	52.82	125.2	125.3	182.8	7.31	1
23:27	4/26/2004	39.68	40.25	35.55	39.64	125.1	125.3	182.5	7.26	2
23:33	4/26/2004	40.48	44.96	40.17	40.85	124.9	125.3	182.7	7.28	3
23:39	4/26/2004	3.08	3.09	2.59	3.03	125.1	125.2	182.6	7.23	4
23:44	4/26/2004	123.74	140.09	111.57	119.87	125.3	125.2	182.6	7.24	5
23:50	4/26/2004	52.76	56.47	48.64	52.46	125.1	125.2	182.6	7.26	1
23:55	4/26/2004	40.23	40.46	35.14	39.7	125	125.1	182.5	7.28	2
0:01	4/27/2004	40.03	44.66	39.94	40.55	125.3	125	182.7	7.24	3
0:07	4/27/2004	3.16	3.18	2.67	3.11	125.3	124.6	182.6	7.24	4
0:12	4/27/2004	125.89	132.78	110.69	117.53	124.9	124.8	182.6	7.29	5
0:18	4/27/2004	54.9	58.51	47.93	52.01	124.9	124.8	182.6	7.21	1
0:23	4/27/2004	40.01	40.27	35.36	39.59	125.1	124.8	182.6	7.26	2
0:29	4/27/2004	39.67	44.66	39.5	40.23	125.1	124.8	182.5	7.21	3
0:35	4/27/2004	3.22	3.24	2.71	3.17	124.9	124.9	182.5	7.28	4
0:40	4/27/2004	117.5	137.36	110.65	118.51	124.9	125.1	182.6	7.22	5
0:46	4/27/2004	53.18	57.16	47.3	52.52	125.1	125.1	182.6	7.26	1
0:51	4/27/2004	39.86	40	34.81	39.32	125.1	125.1	182.5	7.27	2
0:57	4/27/2004	40.92	44.67	40.09	40.83	124.8	125	182.6	7.21	3
1:03	4/27/2004	3.26	3.26	2.73	3.19	124.9	125.1	182.6	7.23	4
1:08	4/27/2004	121.14	136.69	111.47	119.12	125.1	125.1	182.7	7.22	5
1:14	4/27/2004	55.49	56.94	47.72	52.28	124.9	125.1	182.5	7.22	1
1:20	4/27/2004	39.43	40.33	35.46	39.5	124.7	125	182.5	7.22	2

1:25	4/27/2004	39.75	44.43	39.47	40.21	124.9	125	182.6	7.21	3
1:31	4/27/2004	3.28	3.31	2.77	3.24	125.1	125	182.5	7.27	4
1:36	4/27/2004	121.2	136.53	108.63	117.76	125	125	182.5	7.24	5
1:42	4/27/2004	52.51	56.57	46.45	51.9	124.7	125.1	182.6	7.23	1
1:48	4/27/2004	39.4	39.64	34.86	38.97	124.9	125.1	182.5	7.22	2
1:53	4/27/2004	40.09	44.01	39.35	39.97	125	124.9	182.6	7.27	3
1:59	4/27/2004	3.29	3.34	2.77	3.25	125	124.9	182.5	7.25	4
2:04	4/27/2004	118.47	134.73	108.15	118.32	124.8	125.1	182.6	7.25	5
2:10	4/27/2004	52.1	57.8	48.27	52.34	124.9	125.1	182.7	7.23	1
2:16	4/27/2004	39.26	39.82	34.83	39.17	125	125	182.5	7.23	2
2:21	4/27/2004	39.5	43.85	39.27	39.89	124.9	124.8	182.7	7.23	3
2:27	4/27/2004	3.3	3.34	2.78	3.26	124.7	124.7	182.5	7.23	4
2:33	4/27/2004	115.49	129.67	109.95	116.86	124.7	124.8	182.6	7.21	5
2:38	4/27/2004	53.61	55.29	46.91	51.61	124.7	125	182.5	7.27	1
2:44	4/27/2004	39.01	39.34	34.41	38.73	124.9	124.9	182.6	7.27	2
2:49	4/27/2004	39.42	44.29	39.02	39.88	125	124.8	182.7	7.22	3
2:55	4/27/2004	3.33	3.36	2.8	3.28	125.1	124.7	182.6	7.27	4
3:01	4/27/2004	117.28	128.7	107.72	115.74	125.1	124.8	182.7	7.28	5
3:06	4/27/2004	49.18	55.77	47.5	51.2	125	124.9	182.6	7.29	1
3:12	4/27/2004	38.59	39.03	34.25	38.43	124.9	124.8	182.6	7.27	2
3:17	4/27/2004	38.88	43.26	38.46	39.11	124.8	124.8	182.8	7.29	3
3:23	4/27/2004	3.37	3.37	2.84	3.3	124.6	124.6	182.8	7.28	4
3:29	4/27/2004	112.01	133.67	106.92	114.93	124.4	124.7	182.7	7.23	5
3:34	4/27/2004	51.19	55.82	47.67	50.9	124.9	124.8	182.6	7.22	1
3:40	4/27/2004	38.3	38.82	34.49	38.14	125	124.7	182.4	7.27	2
3:46	4/27/2004	38.7	42.57	38.08	38.82	125	124.9	182.6	7.29	3
3:51	4/27/2004	3.36	3.37	2.83	3.3	125	125	182.7	7.25	4
3:57	4/27/2004	112.05	125.4	104.42	112.64	124.9	125	182.5	7.17	5
4:02	4/27/2004	48.33	52.89	45.74	49.66	125.1	125.2	182.8	7.29	1
4:08	4/27/2004	37.52	37.9	33.53	37.24	125.1	125.1	182.7	7.24	2
4:14	4/27/2004	37.94	42.42	37.23	38.06	125.1	125	182.7	7.28	3
4:19	4/27/2004	3.27	3.29	2.75	3.22	125.2	125	182.7	7.24	4
4:25	4/27/2004	114.9	128.36	104.36	111.48	125.1	124.8	182.8	7.24	5
4:30	4/27/2004	47.74	54.16	45.51	49.24	124.8	124.8	182.6	7.24	1
4:36	4/27/2004	36.85	37.16	32.37	36.58	124.5	124.6	182.6	7.27	2
4:42	4/27/2004	37.27	42.18	36.74	37.61	124.7	124.7	182.7	7.23	3
4:47	4/27/2004	3.27	3.31	2.8	3.24	125.1	124.9	182.7	7.22	4
4:53	4/27/2004	112.87	122.83	101.64	109.7	125	124.9	182.8	7.28	5
4:58	4/27/2004	51.35	53	44.68	49.15	124.9	124.8	182.8	7.28	1
5:04	4/27/2004	37.22	37.22	32.12	36.55	125	124.8	182.8	7.26	2
5:10	4/27/2004	36.84	41.15	36.56	37.21	125	124.8	183	7.28	3
5:15	4/27/2004	3.28	3.37	2.76	3.26	125.2	124.9	182.8	7.26	4
5:21	4/27/2004	103.64	122.27	99.26	107.55	125.2	124.9	182.8	7.2	5
5:27	4/27/2004	49.19	51.88	44.18	47.43	125	125	182.9	7.24	1
5:32	4/27/2004	35.88	36.29	32	35.82	124.9	125.1	182.8	7.27	2
5:38	4/27/2004	36.01	39.71	35.35	36.08	124.9	125.1	183.1	7.27	3
5:43	4/27/2004	3.83	3.95	3.29	3.77	124.8	124.9	183	7.23	4
5:49	4/27/2004	103.14	121.73	96.95	105.26	124.8	125	182.9	7.22	5
5:55	4/27/2004	49.05	51.74	43.64	47.16	124.8	125.1	183	7.24	1
6:00	4/27/2004	35.45	36.17	31.2	35.32	124.8	125	182.9	7.22	2
6:06	4/27/2004	36.52	39.7	35.96	36.44	124.8	124.9	183	7.31	3
6:11	4/27/2004	4.32	4.45	3.39	4.22	124.9	124.9	182.8	7.24	4
6:17	4/27/2004	107.19	118.61	97.92	105.48	125	125	182.8	7.28	5
6:23	4/27/2004	46.76	51.23	43.35	47.28	125.1	125.2	182.9	7.31	1
6:28	4/27/2004	35.35	36.05	31.88	35.38	125.2	125.2	182.6	7.26	2
6:34	4/27/2004	35.44	39.78	35.21	35.9	125.3	125.2	182.8	7.22	3
6:40	4/27/2004	3.91	3.99	3.34	3.86	125.3	125.3	182.8	7.24	4
6:45	4/27/2004	103.83	115.8	98.01	103.87	125.5	125.6	182.7	7.22	5
6:51	4/27/2004	46.88	51.21	42.08	46.59	125	125.3	182.7	7.21	1
6:56	4/27/2004	34.93	36.17	31.26	34.82	125.3	125.2	182.5	7.21	2
7:02	4/27/2004	35.48	39.07	35.03	35.58	125.1	124.9	182.6	7.26	3
7:08	4/27/2004	3.11	3.2	2.68	3.08	124.7	124.7	182.6	7.28	4
7:13	4/27/2004	103.26	115.55	97.64	104.81	124.8	124.7	182.6	7.22	5
7:19	4/27/2004	46.83	50.87	43.85	47.52	125	124.7	182.6	7.29	1
7:24	4/27/2004	35.9	36.13	31.98	35.52	124.7	124.7	182.5	7.25	2

7:30	4/27/2004	36.45	40.34	36.06	36.69	124.8	124.5	182.6	7.22	3
7:36	4/27/2004	4.05	4.94	3.88	4.35	124.8	124.7	182.5	7.24	4
7:41	4/27/2004	101.6	122.31	100.83	108.13	124.8	125.1	182.6	7.25	5
7:47	4/27/2004	48.95	50.5	42.51	47.47	124.8	125.2	182.7	7.25	1
7:53	4/27/2004	35.94	36.57	32.02	35.89	124.8	125.3	182.5	7.24	2
7:58	4/27/2004	36.03	40.47	35.93	36.51	124.8	124.9	182.7	7.23	3
8:04	4/27/2004	8.51	8.53	3.14	5.11	124.8	125	182.7	7.27	4
8:09	4/27/2004	102.99	122.34	99.22	107.15	124.8	124.8	182.8	7.27	5
8:15	4/27/2004	49.26	51.98	44.17	47.49	124.9	124.8	182.6	7.19	1
8:21	4/27/2004	35.71	39.2	31.75	35.46	124.7	124.8	182.7	7.25	2
8:26	4/27/2004	35.95	39.68	35.78	36.33	125	124.6	182.7	7.27	3
8:32	4/27/2004	3.19	3.48	2.97	3.31	125	124.7	182.8	7.23	4
8:37	4/27/2004	106.4	116.46	98.55	105.37	124.9	124.5	182.9	7.27	5
8:43	4/27/2004	48.03	51.1	42.52	46.96	124.8	124.7	182.8	7.28	1
8:49	4/27/2004	35.47	35.95	31.35	35.21	124.8	124.8	182.7	7.24	2
8:54	4/27/2004	36.02	39.48	35.71	36.39	124.8	124.7	182.7	7.26	3
9:00	4/27/2004	2.76	2.81	2.34	2.74	124.9	124.7	182.7	7.22	4
9:05	4/27/2004	100.03	120.23	98.54	105.99	124.9	124.8	182.7	7.29	5
9:11	4/27/2004	50.68	53.08	42.17	48.12	124.9	124.7	182.9	7.29	1
9:17	4/27/2004	35.99	37.02	31.66	36.22	124.7	124.8	182.6	7.29	2
9:22	4/27/2004	36.15	39.67	35.87	36.56	125.1	124.8	182.7	7.22	3
9:28	4/27/2004	3.28	3.35	2.78	3.25	124.7	124.7	182.7	7.25	4
9:34	4/27/2004	107.49	119.54	97.51	104.81	125.1	124.9	182.7	7.29	5
9:39	4/27/2004	46.77	52.78	41.79	46.39	125	125	182.6	7.19	1
9:45	4/27/2004	36.09	36.3	31.49	35.56	125.1	124.8	182.8	7.25	2
9:50	4/27/2004	35.9	39.78	35.45	36.22	125	124.8	182.7	7.24	3
9:56	4/27/2004	3.45	3.52	2.77	3.35	124.9	124.9	182.7	7.26	4
10:02	4/27/2004	107.22	118.8	98.01	104.25	125	124.9	182.7	7.24	5
10:07	4/27/2004	49.62	49.89	42.75	46.22	124.7	124.9	182.5	7.23	1
10:13	4/27/2004	35.95	36.59	31.81	35.24	125.1	124.7	182.6	7.25	2
10:18	4/27/2004	35.4	40.09	35.31	36.03	124.8	124.8	182.7	7.28	3
10:24	4/27/2004	3.49	3.61	3	3.46	125.2	125	182.5	7.24	4
10:30	4/27/2004	99.15	116.61	98.29	104.02	125.1	125.2	182.8	7.31	5
10:35	4/27/2004	48.35	49.39	42.43	45.81	125.3	125.2	182.9	7.24	1
10:41	4/27/2004	35.64	39.19	31.42	35.2	125.4	125.3	182.6	7.24	2
10:47	4/27/2004	35.77	40.35	35.41	36.28	125.1	125.3	182.7	7.23	3
10:52	4/27/2004	3.27	3.37	2.78	3.24	125.4	125.2	182.8	7.28	4
10:58	4/27/2004	103.41	122.01	96.18	105.58	125.2	125.1	182.7	7.25	5
11:03	4/27/2004	44.78	50.8	43.93	46.75	124.9	124.9	182.6	7.27	1
11:09	4/27/2004	35.69	36.13	31.74	35.47	125.1	125	182.8	7.26	2
11:15	4/27/2004	36.49	39.6	36.21	36.76	124.7	124.6	182.7	7.27	3
11:20	4/27/2004	3.72	3.72	2.96	3.59	124.8	124.6	182.8	7.28	4
11:26	4/27/2004	104.82	124.38	100.6	106.24	124.7	124.6	182.7	7.21	5
11:31	4/27/2004	48.63	51.97	41.59	47.4	124.7	124.9	182.5	7.25	1
11:37	4/27/2004	36.82	37.32	32.22	36.68	124.6	125.1	182.3	7.24	2
11:43	4/27/2004	37.08	40.66	36.33	37.29	125.1	125.4	182.5	7.23	3
11:48	4/27/2004	3.43	3.53	2.91	3.42	124.9	125.4	182.4	7.22	4
11:54	4/27/2004	107.39	117.65	97.88	105.87	125.1	125	182.3	7.22	5
12:00	4/27/2004	45.82	52.03	43.43	47.34	125	125.1	182.4	7.29	1
12:05	4/27/2004	36.63	37	32.33	36.32	125.1	125.2	182.5	7.28	2
12:11	4/27/2004	36.55	40.39	36.11	36.78	125.4	125.1	182.4	7.25	3
12:16	4/27/2004	3.58	3.65	3.05	3.54	125.3	125.1	182.5	7.24	4
12:22	4/27/2004	107.11	124.85	101.8	108.44	125.2	125	182.5	7.28	5
12:28	4/27/2004	49.32	51.77	44.31	47.74	125.1	125	182.5	7.22	1
12:33	4/27/2004	36.46	37.22	33.05	36.46	125.2	125.1	182.4	7.22	2
12:39	4/27/2004	37.32	41.41	36.93	37.57	125.2	124.9	182.5	7.23	3
12:44	4/27/2004	3.43	3.5	2.93	3.35	125.1	125.1	182.4	7.28	4
12:50	4/27/2004	106.46	124.41	102.98	111.18	125.1	125	182.5	7.28	5
12:56	4/27/2004	48.42	53.38	44.18	49.01	125.1	125.1	182.5	7.23	1
13:01	4/27/2004	37.92	38.25	34.11	37.55	125	125.1	182.7	7.28	2
13:07	4/27/2004	37.96	41.91	37.88	38.68	125.1	125	182.7	7.27	3
13:13	4/27/2004	3.04	3.17	2.63	3.06	125.2	125.2	182.6	7.26	4
13:18	4/27/2004	109.14	132.47	105.27	111.99	125.3	125.1	182.5	7.28	5
13:24	4/27/2004	50.41	55.14	45.16	50.61	125	125.2	182.6	7.26	1
13:29	4/27/2004	38.34	38.9	34.38	38.31	125.3	125.3	182.6	7.28	2

13:35	4/27/2004	39.73	42.82	38.85	39.45	125.4	125.2	182.6	7.24	3
13:41	4/27/2004	2.78	2.8	2.28	2.73	125.4	125.1	182.6	7.23	4
13:46	4/27/2004	98.4	127.06	98.4	115.39	125.2	124.9	182.7	7.29	5
13:52	4/27/2004	49.25	54.5	41.03	49.02	124.8	124.8	182.7	7.28	1
13:57	4/27/2004	38.98	39	32.97	38.19	124.6	124.6	182.6	7.28	2
14:03	4/27/2004	40.01	43.03	38.61	39.72	124.7	124.7	182.5	7.25	3
14:09	4/27/2004	1.78	2.12	1.77	1.95	124.5	124.6	182.5	7.27	4
14:14	4/27/2004	115.04	135.32	109.53	116.62	125	124.9	182.4	7.21	5
14:20	4/27/2004	52.48	56.05	47.63	50.86	124.7	125	182.3	7.28	1
14:25	4/27/2004	40.29	40.73	34.57	39.72	124.6	125.1	182.2	7.25	2
14:31	4/27/2004	40.98	44.34	40.14	40.84	124.9	125.4	182.4	7.26	3
14:37	4/27/2004	2.33	2.48	2.08	2.33	125	125.3	182.4	7.26	4
14:42	4/27/2004	117.52	136.01	113.58	121.03	125.3	125.4	182.8	7.26	5
14:48	4/27/2004	53.24	55.29	47.15	51.63	125.3	125.4	182.5	7.27	1
14:54	4/27/2004	40.23	40.62	35.7	39.98	125.2	125.2	182.6	7.24	2
14:59	4/27/2004	40.34	44.87	40.11	40.92	124.9	125.1	182.8	7.3	3
15:05	4/27/2004	2.24	2.87	1.73	2.27	125	125.2	182.7	7.25	4
15:10	4/27/2004	122.23	133.27	116.38	123	125.2	125	182.6	7.24	5
15:16	4/27/2004	51.09	55.93	49.49	53.08	125.2	125	182.4	7.22	1
15:22	4/27/2004	40.69	41.35	36.54	40.52	125.3	125.1	182.3	7.29	2
15:27	4/27/2004	41.42	46.28	40.94	41.72	125.4	125.2	182.5	7.24	3
15:33	4/27/2004	2.95	3.76	2.78	3.13	125.2	125.2	182.7	7.27	4
15:38	4/27/2004	121.11	137.06	110.49	119.85	125	125.3	182.6	7.27	5
15:44	4/27/2004	51.62	55.78	48.36	52.27	125	125.2	182.7	7.26	1
15:50	4/27/2004	40.76	40.96	35.96	40.32	125.1	125.1	182.5	7.3	2
15:55	4/27/2004	40.84	45.24	40.55	41.32	125.3	125.1	182.6	7.2	3
16:01	4/27/2004	2.34	2.38	2.01	2.31	125.2	125	182.6	7.25	4
16:07	4/27/2004	121.01	133.39	113.93	119.97	125.3	124.9	182.4	7.22	5
16:12	4/27/2004	50.69	58.26	48.83	52.28	125.1	124.8	182.5	7.29	1
16:18	4/27/2004	40.01	41.17	36.36	40.18	125.1	124.9	182.4	7.26	2
16:23	4/27/2004	40.75	44.61	40.39	41.15	124.9	124.8	182.5	7.26	3
16:29	4/27/2004	2.59	2.63	2.07	2.54	124.9	124.8	182.5	7.23	4
16:35	4/27/2004	117.24	135.73	111.53	119.15	124.9	124.7	182.2	7.26	5
16:40	4/27/2004	50.59	56.42	48.59	52.2	124.8	124.8	182.5	7.21	1
16:46	4/27/2004	40.17	40.53	35.05	39.89	124.9	124.9	182.2	7.21	2
16:51	4/27/2004	40.89	43.99	39.64	40.53	125.3	125.1	182.6	7.24	3
16:57	4/27/2004	2.82	2.84	2.27	2.75	125.4	125.1	182.4	7.22	4
17:03	4/27/2004	115.32	130.87	110.92	117.75	125.2	125	182.4	7.29	5
17:08	4/27/2004	54.85	55.18	47.63	51.63	125	125.2	182.5	7.22	1
17:14	4/27/2004	39.71	40.05	35.9	39.45	125.4	125.2	182.5	7.25	2
17:20	4/27/2004	39.81	43.88	39.13	39.76	125.4	125.3	182.5	7.24	3
17:25	4/27/2004	2.93	2.94	2.34	2.85	125.2	125.1	182.5	7.27	4
17:31	4/27/2004	117.74	135.25	106.85	116.72	125.2	125.1	182.6	7.27	5
17:36	4/27/2004	48.89	56.31	46.52	50.93	125.2	125.1	182.6	7.24	1
17:42	4/27/2004	38.97	39.39	34.53	38.8	125.1	124.9	182.4	7.24	2
17:48	4/27/2004	39	43.12	38.59	39.28	125	125	182.5	7.29	3
17:53	4/27/2004	2.9	2.91	2.18	2.63	124.9	124.8	182.5	7.22	4
17:59	4/27/2004	112.48	131.09	106.71	115.63	125	125	182.4	7.2	5
18:04	4/27/2004	51.8	56.95	47.22	50.99	124.9	124.8	182.4	7.28	1
18:10	4/27/2004	39.15	39.54	34.78	38.96	124.8	124.8	182.3	7.2	2
18:16	4/27/2004	38.88	44.04	38.57	39.6	124.7	124.8	182.5	7.21	3
18:21	4/27/2004	2.92	2.97	2.39	2.85	124.4	124.7	182.4	7.24	4
18:27	4/27/2004	104.69	126.18	104.59	112.57	124.7	124.9	182.5	7.28	5
18:32	4/27/2004	48.97	52.78	46.11	49.48	124.7	125	182.4	7.23	1
18:38	4/27/2004	38.03	38.5	33.55	37.79	124.8	124.9	182.3	7.28	2
18:44	4/27/2004	38.6	42.59	37.92	38.7	125.2	124.8	182.5	7.29	3
18:49	4/27/2004	2.88	2.94	2.41	2.83	125.2	124.9	182.6	7.23	4
18:55	4/27/2004	109.64	124.15	103.42	111.09	125.3	125	182.3	7.27	5
19:01	4/27/2004	49.62	53.69	44.04	49.55	125.3	125	182.5	7.27	1
19:06	4/27/2004	37.92	38.87	33.36	38.07	125.2	125	182.3	7.24	2
19:12	4/27/2004	38.25	42.48	37.91	38.66	125.2	125	182.6	7.3	3
19:17	4/27/2004	3.12	3.14	2.49	3.04	125.1	124.9	182.4	7.24	4
19:23	4/27/2004	106.44	121.41	101.29	109.5	125.3	125.2	182.7	7.3	5
19:29	4/27/2004	47.23	51.79	43.86	48.37	125.4	125.3	182.4	7.27	1
19:34	4/27/2004	37.08	37.42	32.96	36.86	125.2	125.3	182.4	7.23	2

19:40	4/27/2004	37.3	42.01	36.58	37.58	125.3	125.2	182.5	7.25	3
19:45	4/27/2004	3.37	3.4	2.76	3.3	125.1	125	182.4	7.23	4
19:51	4/27/2004	107.19	120.93	97.72	107.68	125.1	125.2	182.6	7.24	5
19:57	4/27/2004	47.27	50.82	43.95	47.12	124.9	125.1	182.4	7.23	1
20:02	4/27/2004	36.7	36.79	31.85	36.08	124.8	125	182.4	7.24	2
20:08	4/27/2004	36.65	40.95	36.11	36.93	124.9	125	182.5	7.27	3
20:14	4/27/2004	3.53	3.55	2.89	3.46	124.8	124.9	182.4	7.22	4
20:19	4/27/2004	103.64	117.59	98.43	105.79	124.8	125.1	182.6	7.31	5
20:25	4/27/2004	49.49	51.08	41.72	46.92	124.7	124.9	182.4	7.27	1
20:30	4/27/2004	35.7	36.37	31.96	35.58	124.6	125	182.3	7.27	2
20:36	4/27/2004	36.14	40.39	35.71	36.52	124.6	125	182.5	7.2	3
20:42	4/27/2004	3.65	3.69	2.96	3.57	124.6	124.9	182.3	7.22	4
20:47	4/27/2004	104.54	116.02	98.75	104.7	124.6	125.1	182.3	7.2	5
20:53	4/27/2004	46.61	50.98	42.54	47.14	124.7	125	182.4	7.26	1
20:58	4/27/2004	35.98	36.67	32.09	35.94	124.7	125.2	182.3	7.21	2
21:04	4/27/2004	36.14	41.03	36	37	125	125.1	182.5	7.21	3
21:10	4/27/2004	3.7	3.71	3.02	3.61	124.9	125.2	182.4	7.22	4
21:15	4/27/2004	103.16	120.82	99.45	106.44	125.1	125.2	182.6	7.31	5
21:21	4/27/2004	47.12	50.77	45.01	47.4	125.2	125.1	182.6	7.25	1
21:27	4/27/2004	36.51	36.93	31.92	36.34	125.3	125.4	182.4	7.24	2
21:32	4/27/2004	37.93	40.62	36.24	37.12	125.2	125.1	182.5	7.24	3
21:38	4/27/2004	3.7	3.78	3.09	3.65	125.3	125.3	182.6	7.28	4
21:43	4/27/2004	109.66	123.21	101.85	108.22	125.3	125	182.7	7.29	5
21:49	4/27/2004	50.32	52.1	42.7	47.73	125.4	125.1	182.6	7.23	1
21:55	4/27/2004	37.01	37.12	32.43	36.6	125.2	124.8	182.5	7.24	2
22:00	4/27/2004	38.57	41.08	37.21	37.9	125.1	124.7	182.6	7.28	3
22:06	4/27/2004	3.77	3.8	3.16	3.71	125	124.7	182.5	7.26	4
22:11	4/27/2004	111.58	126.29	102.73	111.09	124.9	124.6	182.5	7.21	5
22:17	4/27/2004	48.35	53.4	45.52	49.1	124.9	124.8	182.5	7.23	1
22:23	4/27/2004	37.99	38.27	34.1	37.71	124.7	124.7	182.3	7.22	2
22:28	4/27/2004	38.15	42.3	37.57	38.29	125	125	182.4	7.27	3
22:34	4/27/2004	3.85	3.91	3.18	3.79	124.6	125.1	182.4	7.24	4
22:39	4/27/2004	111.93	122.34	102.06	109.04	125.1	125.1	182.4	7.23	5
22:45	4/27/2004	47.24	52.74	44.09	48.3	125.2	125.2	182.5	7.23	1
22:51	4/27/2004	37.68	37.73	32.73	36.97	125.2	125.3	182.5	7.27	2
22:56	4/27/2004	37.83	41.61	37.39	38.07	125	125.1	182.6	7.25	3
23:02	4/27/2004	3.97	3.98	3.27	3.88	125.2	124.9	182.6	7.24	4
23:08	4/27/2004	117.32	122.31	104.56	111.3	125.4	124.8	182.7	7.23	5
23:13	4/27/2004	49.39	54.15	45.69	50.1	125.2	124.8	182.4	7.23	1
23:19	4/27/2004	38.84	39.13	34.09	38.48	124.8	124.8	182.4	7.25	2
23:24	4/27/2004	39.63	43.84	38.92	39.77	125.1	124.7	182.4	7.21	3
23:30	4/27/2004	4.09	4.1	3.41	3.99	125.3	124.9	182.5	7.27	4
23:36	4/27/2004	113.42	129.16	106.77	113.76	125	124.8	182.6	7.29	5
23:41	4/27/2004	51.86	54.4	46.66	50.91	124.9	125	182.4	7.29	1
23:47	4/27/2004	39.35	39.8	34.88	39.19	125.1	124.8	182.3	7.24	2
23:52	4/27/2004	40.29	44.37	39.48	40.29	125.3	124.9	182.5	7.27	3
23:58	4/27/2004	4.16	4.17	3.45	4.08	125.1	124.9	182.5	7.28	4

Note:

Sample Location 1 = Influent to Primary Vapor Phase Carbon Unit (ERH and SVE Combined)
Sample Location 2 = Intermediate between Primary and Secondary Vapor Phase Carbon Units
Sample Location 3 = Stack Effluent
Sample Location 4 = Lockformer Building Interior
Sample Location 5 = ERH Influent Prior to Mixture with SVE Discharge

APPENDIX E
SAMPLE CALCULATIONS

SAMPLE CALCULATIONS

Moisture Content

$$V_{wc} = K_1 \bullet V_1$$

$$V_{wsq} = K_2 \bullet V_2$$

Where:

V_{wc} = volume of water vapor condensed in impingers at standard conditions (mL)
 $K_1 = 0.04707 \text{ ft}^3/\text{mL water}$
 V_1 = volume of water collected in impingers (mL)
 V_{wsq} = volume of water vapor collected in silica gel at standard conditions (mL)
 $K_2 = 0.04715 \text{ ft}^3/\text{g water}$
 V_2 = mass of water collected by silica gel (g)

For example, during Run 1 of the Inlet VOM testing, 8 mL of water were condensed in the impingers, and 9.3 g of water were collected by the silica gel. The volume of water collected in each section of the sampling train, in ft^3 , was calculated as follows:

$$V_{wc} = \left(0.04707 \frac{\text{ft}^3}{\text{mL}} \right) (8 \text{ mL}) = 0.377 \text{ ft}^3$$

$$V_{wsq} = \left(0.04715 \frac{\text{ft}^3}{\text{g}} \right) (9.3 \text{ g}) = 0.438 \text{ ft}^3$$

The total volume of water collected was $0.377 \text{ ft}^3 + 0.438 \text{ ft}^3 = 0.815 \text{ ft}^3$.

Gas Volume Standardization

$$V_{std} = V_m Y_m \left(\frac{T_{std}}{P_{std}} \right) \left(\frac{P_b + \frac{\Delta H}{13.6}}{T_m} \right)$$

Where:

V_{std} = volume of gas sampled at standard conditions
 V_m = volume of gas measured by dry gas meter (ft^3)
 Y_m = dry gas meter correction factor (dimensionless)
 T_{std} = standard temperature (${}^\circ\text{R} = 460 + {}^\circ\text{F}$)
 P_{std} = standard pressure ("Hg)
 P_b = barometric pressure ("Hg)
 ΔH = average orifice differential pressure ("H₂O)

T_m = average meter temperature ($^{\circ}$ R)

For example, the volume of gas during Run 1 of the Inlet VOM testing was 44.3 ft³. The dry gas meter correction factor was 1.013. Standard temperature and pressure are 528°R and 29.92 "Hg, respectively. The barometric pressure at the time of testing was 30.22 "Hg. The average orifice differential and meter temperature were 1.8 and 533.3°R, respectively. The volume of gas sampled was corrected to standard conditions as follows:

$$V_{std} = (44.3 \text{ ft}^3) (1.013) \left(\frac{528^{\circ}R}{29.92 \text{ "Hg}} \right) \left(\frac{30.22 \text{ "Hg} + \frac{1.8 \text{ "H}_2\text{O}}{13.6 \frac{\text{"H}_2\text{O}}{\text{"Hg}}}}{533.3^{\circ}R} \right) = 45.1 \text{ ft}^3, \text{ standard}$$

Moisture Fraction

$$B_{ws} = \frac{V_{wc} + V_{wsg}}{V_{wc} + V_{wsg} + V_{std}}$$

Where: B_{ws} = exhaust gas moisture content

For example, from previously calculated values, the Inlet's exhaust gas moisture fraction was calculated as follows:

$$B_{ws} = \frac{0.815 \text{ ft}^3}{0.815 \text{ ft}^3 + 45.1 \text{ ft}^3} = 0.018$$

Absolute Stack Gas Temperature, T_s ($^{\circ}$ R)

$$T_s = 460 + t_s$$

Where: t_s = Measured stack gas temperature ($^{\circ}$ F)

For example, during Run 1 of the Inlet VOM testing, the average stack temperature was 80.2°F. The average temperature in degrees Rankine is therefore $80.2 + 460 = 540.2^{\circ}\text{R}$.

Absolute Stack Gas Pressure, P_s (in. Hg)

$$P_s = P_{bar} + \left(\frac{P_{stat}}{13.6} \right)$$

Where: P_{bar} = Barometric pressure at test site (in. Hg)
 P_{stat} = Stack static pressure (in. Hg)

For example, during Run 1 of the Inlet VOM testing, the barometric and stack static pressures were 30.22" Hg, and 57" H₂O, respectively. The absolute stack pressure is then:

$$P_s = 30.22 + \left(\frac{57}{13.6} \right) = 34.41" Hg$$

Stack Gas Molecular Weight, Dry Basis (lb/lb mole)

$$M_d = 0.44(\%CO_2) + 0.32(\%O_2) + 0.28(\%N_2 + \%CO)$$

For example, during Run 1 of the Inlet VOM testing, the average O₂ content of the exhaust gas stream was estimated to be 20.5%. The CO₂ content of the gas stream was estimated to be 0.5%. The CO content was assumed to be negligible, and the N₂ content is assumed to make up the balance of the gas content (i.e. 100-20.5-0.5=79%). The dry stack gas molecular weight is therefore:

$$M_d = 0.44(0.5\%) + 0.32(20.5\%) + 0.28(79\%) = 28.98 \frac{\text{lb}}{\text{lb mol}}$$

Stack Gas Molecular Weight, Wet Basis (lb/lb mole)

$$M_s = M_d \left(1 - \frac{B_{ws}}{100} \right) + 18 \left(\frac{B_{ws}}{100} \right)$$

The stack gas moisture content during Run 1 of the Inlet VOM testing was 1.8%. The wet stack gas molecular weight is then:

$$M_s = 28.98 \frac{\text{lb}}{\text{lb mol}} \left(1 - \frac{1.8}{100} \right) + 18 \left(\frac{1.8}{100} \right) = 28.78 \frac{\text{lb}}{\text{lb mol}}$$

Stack Gas Velocity, V_s (fpm)

$$V_s = \left(60 \frac{\text{sec}}{\text{min}} \right) K_p C_p \sqrt{\frac{\Delta P T_s}{P_s M_s}}$$

Where: K_p = Pitot tube constant equal to $85.49 \frac{\text{ft}}{\text{sec} \sqrt{\frac{(\text{lb/lb mole})(\text{in.Hg})}{(^{\circ}\text{R})(\text{in.H}_2\text{O})}}}$

C_p = Pitot tube coefficient, dimensionless

ΔP = Velocity head of stack gas (in. H₂O)

M_s = Molecular weight of the stack gas, wet basis (lb/lb mole)

For example, during Run 1 of the Inlet VOM testing the average velocity head of the stack gas was 3.75" H₂O. Using values already calculated, the average stack gas velocity was calculated as follows:

$$V_s = \left(60 \frac{\text{sec}}{\text{min}} \right) \left(85.49 \frac{\text{ft}}{\text{sec} \sqrt{\frac{(\text{lb/lb mol})(\text{in.Hg})}{(^{\circ}\text{R})(\text{in.H}_2\text{O})}}} \right) (0.84)$$
$$\cdot \sqrt{\frac{(3.75 \text{in.H}_2\text{O})(541^{\circ}\text{R})}{(34.41 \text{in.Hg}) \left(28.78 \frac{\text{lb}}{\text{lb mol}} \right)}} = 6,167 \frac{\text{ft}}{\text{min}}$$

Average Stack Gas Volumetric Flowrate, Q_s (cfm)

$$Q_s = V_s \cdot A$$

Where: V_s = Stack gas velocity (fpm)

A = Cross-sectional area of stack (ft²)

For example, the exhaust stack of the East Building has a diameter of 8". The cross-sectional area of the stack is calculated as follows:

$$\frac{\pi}{4} \left(\frac{8''}{12''/\text{ft}} \right)^2 = 0.35 \text{ ft}^2$$

During Run 1 of the Inlet VOM testing, the stack gas volumetric flowrate was then calculated as follows:

$$Q_s = \left(6,167 \frac{\text{ft}}{\text{min}} \right) \cdot (0.35 \text{ ft}^2) = 2,158 \frac{\text{ft}^3}{\text{min}}$$

Standard Stack Gas Volumetric Flowrate, Q_{std} (scfm)

$$Q_{std} = Q_s \left(\frac{528^\circ R}{T_s} \right) \left(\frac{P_s}{29.92 \text{ in.Hg}} \right)$$

Where: T_s = Absolute stack gas temperature ($^\circ\text{R}$)
 P_s = Absolute stack gas pressure (in. Hg)

For example, during Run 1 of the Inlet VOM testing, the standard stack gas volumetric flowrate was calculated as follows:

$$Q_{std} = 2,422 \frac{\text{ft}^3}{\text{min}} \left(\frac{528^\circ R}{541^\circ R} \right) \left(\frac{34.41 \text{ in.Hg}}{29.92 \text{ in.Hg}} \right) = 2,422 \frac{\text{ft}^3}{\text{min}}, \text{ standard}$$

Dry Standard Stack Gas Volumetric Flowrate, $Q_{std,dry}$ (dscfm)

$$Q_{std,dry} = Q_{std} (1 - B_{ws})$$

For example, during Run 1 of the Inlet VOM testing, the dry standard stack gas volumetric flowrate was calculated as follows:

$$Q_{std,dry} = 2,422 \frac{\text{ft}^3}{\text{min}} (1 - 0.018) = 2,378 \frac{\text{ft}^3}{\text{min}}, \text{ standard dry}$$

Toxic Organic Compound Emission Rate (lb/hr)

$$(lb / hr Toxics) = \frac{C}{1,000} \left(\frac{MW}{24.14} \right) Q \left[\frac{\left(60 \frac{\text{min}}{\text{hr}} \right)}{\left(453,600 \frac{\text{mg}}{\text{lb}} \right) \left(35.31 \frac{\text{ft}^3}{\text{m}^3} \right)} \right]$$

Where: C = toxic compound concentration (ppb)
 Q = stack gas volumetric flowrate (scfm)
 MW = molecular weight

For example, the exhaust concentration of trichloroethene detected for Run 1 of the Inlet TO-15 testing was 8,400 parts per billion. The stack gas volumetric flowrate was 2,422 scfm. The molecular weight of methylene chloride is 131.4. The mass emission rate of trichloroethene is then:

$$(lb / hr \text{ Toxics}) = \frac{8400}{1,000} \left(\frac{131.4}{24.14} \right) (2,422) \left[\frac{\left(60 \frac{\text{min}}{\text{hr}} \right)}{\left(453,600 \frac{\text{mg}}{\text{lb}} \right) \left(35.31 \frac{\text{ft}^3}{\text{m}^3} \right)} \right] = 0.4095$$

VOC Control Efficiency, E (%)

$$E = \left[\frac{\left(\text{Inlet } \frac{\text{lb}}{\text{hr}} \right) - \left(\text{Outlet } \frac{\text{lb}}{\text{hr}} \right)}{\left(\text{Inlet } \frac{\text{lb}}{\text{hr}} \right)} \right] \times 100$$

For example, for Run 1 of the Inlet VOC testing, the inlet mass emission rate was 0.441 pounds per hour. The outlet mass emission rate was <0.00245 pounds per hour. The VOC control efficiency is therefore:

$$E = \left[\frac{\left(0.441 \frac{\text{lb}}{\text{hr}} \text{ VOM} \right) - \left(0.00245 \frac{\text{lb}}{\text{hr}} \text{ VOM} \right)}{\left(0.441 \frac{\text{lb}}{\text{hr}} \text{ VOM} \right)} \right] \times 100 = 99.4\%$$